



# THE GERMAN PRIMER FOR SCIENCE STUDENTS

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# TO THE MEMORY OF THE LATE SIR ASUTOSH MOOKERJEE, Kt., C.S.I., M.A., D.L., D.Sc., Ph.D.

IN

RECOGNITION OF HIS SERVICES
FOR THE FURTHERANCE OF
SCIENTIFIC RESEARCH

## FOREWORD

In the last two years I was often puzzled when Indian etudents wanted to learn in the easiest manner as much German as is necessary for understanding scientific papers. It is difficult to refer these students to orthodox grammar-books, to ask them to learn rules, and to memorise exceptions many of which will never be found in scientific literature. Small books written for English and American tourists are nearly useless for science students. Of course, in every country, scientific and idiomatic language widely differ. In the scientific style every ambiguity of possibility of any inaccuracy is anxiously avoided. the same words and phrases are repeatedly used, and linguistic innovations intrude slowly only into scientific literature. For this reason, the scientific language looks sometimes petrified, but it is not difficult to learn ; its vocabulary is restricted ( to some extent it is international!), the syntax is simple, and free from the complexities of idiomatic phrasing. On the other hand, there are many expressions which will seldom be found outside scientific and technical literature.

Thus, it is a very good idea to provide special grammar books for science students, but it is not easy to compose them. The author of a German Primer for Indian students should be thoroughly familiar with both languages, English and German, he needs a good knowledge of scientific literature and its linguistic peculiarities and of the special difficulties which Indian students of German must overcome—not to mention all those qualities a writer of a text-book is generally expected to possess.

I do not claim all these merits for Mr. H. G. Biswas, who has never been in Germany up to now, and who has learned German by bimself. I also do not expect his book to be the perfect German Primer, but I refuse to believe that a book of an ideal perfection, published perhaps after some decades, could help the students reading now in the Calcutta University. The author gives to our students the benefit of the experience which he got by learning German for the same purpose as they want to learn it; the difficulties are still fresh in his memory, and he shows the way by which he has succeeded. I expect the book to be an essential help for many Indian students, especially by its large collection of phrases taken out of scientific papers.

CALCUTTA, .

The 22nd September, 1938

F. W. LEVI, DR. PHIL. NAT., HARDINGS PROFESSOR, Calcutto Unipersity

### PREFACE

A good many of our University students, particularly those associated with the Post-Graduate studies in Science and intent upon a research career, are faced with the indispensable necessity of cultivating an acquaintance with the German language. This language, as is well known, forms almost an open sesame to the domain of higher Sciences. But unfortunately the learners at the very outset find themselves lost in the maxes of German Grammar which, like its Sanskrit counterpart, has frequently been found to defy even the carnest endeavours.

The author himself has been through the whole gamut of the difficulties and the present Priseer, which is a rational effort to obviate them, has at least the merit of personal experience to back it up. The guiding principle with him has been to steer clear of the intricacies of Grammar and aim at a happy blending of instruction with interest. The arrangement and graduation of lessons, the wide range of interests from which the subject matters have been gleaned, the brief but the sound grounding in the elements of Grammar have all been planned to confer on the beginner the maximum benefit with the minimum expenditure of time and energy.

Although primarily meant for Science students, a liberal inclusion of subjects from humanistic group of studies, etc., History, Geography, Social Science, Biography and Poetry, makes the Primer equally nuitable to others with a literary taste.

The exhaustive vocabulary and the synonyms with which every section of the book has been interspersed, are expected considerably to relieve the tedium of consulting a dictionary every other minute.

Leaving the Primer to speak for itself, the author commends it to the advanced students of Science and Literature, with many of whom he still claims kindred, and whose present difficulties were his own not long ago. In this connection the author humbly acknowledges his deep debt of gratitude to Dr. F. W. Levi, Dr. Phil. Nat., Hardings Professor of Higher Mathematics, Calcutta University, and to Dr. H. K. Sen, D.Se., D.I.C., Director of the Indian Lac Research Institute, Ranchi, to mention but a few of those whose valuable assistance is responsible for all that the Primer stands for. To the authorities of the Calcutta University the author's indebtedness is indeed too great for words; for they have generously undertaken to publish the Primer with full knowledge of the competition that it may have to face with its compeers of foreign authorship. This recognition from his Alma Mater is indeed a notable achievement of the author.

The author would be failing in his duty if he omitted to acknowledge here his indebtedness to authors dead and living, from whom he has selected sentences and passages for transliteration and illustration in the Primer.

Lastly, the author invites the attention of his readers to the Errata appended. Indeed, they will do well to make the corresponding corrections in the text before they proceed with the lessons.

It is with mixed feelings of sadness and relief that the author finds himself at the end of a task which has been his intimate companion for the last three years. He will deem the many anxious and toilsome hours given to it amply rewarded only in terms of the service it may render to those for whom it is intended.

CALCUITA,

September, 1938

H. G. BISWAS

## **OPINION**

Dr Meghnad Saha, D.Sc., F.R.S., F.N.I., Palit Professor of Physics, Calcutta University:-

"The German Primer for Science Students" by Mr. H. G. Biswas, M.Sc., appears to contain a number of interesting and novel features. A fair working knowledge of German is indispensable to every serious student of higher science, and to this class of learners the present primer is expected to prove a valuable asset. The arrangement of lessons, the selection of topics, the direct method of teaching followed throughout the Primer, are in accordance with the latest psychological methods of language teaching.

As one associated with the increasing development of higher sciences in the country, I have felt keenly the want of a book of this type. This book, coming as it does from an Indian student of science, perfectly conversant with the difficulties incidental to the learning of German, will go a long way in removing this want.

I heartily congratulate the author on his bringing out this valuable book and wish it a wide circulation among our students.

CALCUTTA,

The 19th September, 1938

M. N. SARA

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# 0

## **GRAMMAR**

## GERMAN LETTERS

## WITE THEIR ROMAN EQUIVALENTS

tt a	Au	₽.	0 0
養養	ÄE	Öä	Öō
10 h	ВЬ	0 p	Pр
€ e	Cc	0.4	Q q
Dh.	D4	Яr	R.c.
€ e	E e	610	5.4
81	Ff.	Σt	TT.
	Gg	, na	Ūψ
01	Hh,	üa	បីថ
31	11	8 11	¥Ψ
31	Ji .	#3 to	W w
8.5	K k	3.5	XΞ
81	L1	9 1	Yy
St m	M m	84	Z z
Rn	Na		8.6

The student will find from the comparison that most German letters are already known to him, and that there is practically no difference between the familiar Roman characters and most German ones. I should like, however, to point out the cases where a confusion is likely to arise.

## THE GERMAN PRIMER FOR SCIENCE BILDENTS

In the case of German capital letters, note the distinction between-

A & U B & V C & E H & P I & J K & B O & Q

In German small letters a pote the distinction between-

fde idj kdi rdx

Happiny, most scientific books and almost all scientific journals are now printed in Roman character, the German characters beying been retained mainly in the literary works.

## PRONUNCIATION

It is not possible to give correct prominciation of the German words. In the following pages an attempt has been made to give an approximate idea of the German pronunciation. For it is self-evident that the niceties of pronunciation of a particular language cannot be accurately expressed by the words of a foreign one

PRONUNCIATION OF THE INDIVIDUAL LETTERS, DIPETHONOS AND COMPOUND LETTERS.

The Letter English Equivalent.

a h, as a in fother

a or no a in hair

i in lime

ow in now

oy in toy

the footh.



The Latter	English Equivalent,
ь	E CONTRACTOR OF THE CONTRACTOR
c	to before e and i : otherwise k
eli	after a, a, a and an pronounced an ch me Scotch 'loch,' a g. Buch after s, a an an pronounced like a soft h, a.g. ich followed by s it is pronounced so a.
ck	le le
đ	d; at the end of a word f
•	long, as a m lama; short, as a in pet
68	oy in to y
01	z in hone
T. Control	f
g	g, in God at the end of a word ch
h	h; at the end of a word elent
1	es in secu ; sometimes shorter
10	en in acco
1	y in yes
lc	k with kn also it is not effent
l, m, n, p	1, m, b, p
0	long o, as in home
ò	en in French for usually as or in English
qu	kv
P	e .
4	a or z (cf. kds)
ech	gla .
98	ER SA 1D MOSS
t, th	· ·
ta	ti e
u u	00
ū	ui like French eu (midway between u and e)
*	f (but like English r in foreign words)
₩	*
ж .	ku
7	· ·
	tn



## THE OBRMAN PRIMER FOR SCIENCE ST. DENTS.

Modern too leney to to reject the superfluous baracters

Thus. the replaced by to before a and i by zo before a, o, n by k are by as by as

## PRONUNCIATION OF A PEW COST ON WEATHER

Cormon Word.	Promondation	Paytoh Restrant	Federalds (B) and	Production	English Equivalent
ala	ahle	Se.	nur	HIER	only
dec	dair	the	recht.1	ex lid	ingh:
e n	107	offe	Luhm	Poorts	glory
Frau	frost	Womab	eligioti	sah ghen	60.Y
geht	gate	Boss	Selbee	· hray	#BOW .
got	goot	good	ied	este	##DCG
halb	hatp	balf	Bertzie	ry nog	him
Herr	hoier	gentieman	801	48	be
110(1	7.0111	Mr	110	ace (a in da)	she, they
Herbst	herpst	nutumn	aleigen	ahty-ghen	second
berzheh	hairstilikh	breactily	Taache	tabsh c	poaket
heote	hoystay	today	Unfalle	other fields	accidente
Hund	hoont	dog	Vater	full ter	father
Ibnoo	ce-nen	to you	Yon	ten	of
rot	Set	in	Watum	eah-room	why
kam	kohm	OPIDO	wenn	(sett)	when, if
Kind	kennd	ehild	weder	eay der	neither
Limbe	lee-bay	love	weil	City	because
Monn	mahan	20.00	will	rill	ter()
mif	mir	to me	Wissen	FLEETE	ksow
meinten	mysten	most	worde	reor day	Бесатия
his	Bed	Dover	yu	treo	to
mutiga	newtek	Heresary	7 We1	ferry	two



#### GRAMMAR

#### ARTICLE

#### THE INDEPENDED ARTICLE.

	Mas.		Pem.		Neuter
FN. A. D. G.	einen einen einen		eine eine enter		einee einem
0,	- Interest	Ein Manu Eine Frau	411	A muss	
		Em Kind		A child	

The following words are exposerly declined but unlike the word em the latter lave get their piural forms.

ETHALD.	my	00112	bin or its
the	bar	UNION	100
Thr	your	jhr	their

## Plural (all genders)

N	tooine	ecine	shre
A	meine	60100	ihro
D	meinen	eetpen	ähren
G	meiner	eginer .	threr

Ich habe einen Bruder
Ich gab meinem Bruder einen Apfel
Meines Bruders Name ist Robin
Er hat ein Buch

I have a brother

I gave an apple to my brother

My brother a name or Rolun

He has a book

Gop time

#### THE DEPOSITE ARTS IN

	Singular			Fural
	Mas.	Fem	Neutre	(alt jendees).
N.	der	die	der	die
٨	den	die	da=	der
Ð	dem	der	desti	đen
$\mathbf{G}_{\star}$	dee	der	des	det
	1.36	Stands for homelast re	p Blands fre	Datase

Acceptable

### 8 THE GERMAN PRIMER FOR SCIENCE STUDENTS

4 Nouns der ved from verbs and ending in t (or -d)

die Ankunf. arrayal die Schlacht battle die Geduld patience die Schuld guit

#### NEUTER GENORA

I The letters of the Alphabet dan M. dan H

2. The names of metals

das E sen 1000 das Kaben potami im Exception das Platin platicism des Natriem sedium der Stabl steel das Mengan manganese das Kapfer sopper

The names of a set countries and places. These do not asually take articles—only in combination with an adjective an article is used, e.g. Das resource faction the rich India, but let your much Indian. —I go to India.

Er epteme die Schneie Switzerland, die Turker Turkey

4 The infinitives used se nouns :

das Lesen reading
das Versuchen investigation

5 Diminutives with -ches and -lain

das Müdchen girl das Fräulein young lady

5. Some noune anding in -au-

des Begrabnis funeral Exceptions
des Begurf is want die Finsternis derkness
des Gedichtnis memory die Erlauhnis permission
des Zeugnie syldence die Kenntnis knowledge

7. Most co lect ve nouns with the prefix Ge

das Gefulge mountain range das Geschenk present das Gefulge suite das Geschaft business das Gemalde picture das Gebaude building



#### **OBAMMAR**

## Exceptions :

d o neal white	history	der Gebrauch	UPB
de Gefal 7	danger	der Gedanke	thought
die Geburt	birth	der Geruch	amel1
die Crestalt	shape	der Geschmack	taste
die Gedold	patience		

## GRNDER OF COMPOUND NOUNS

The gender of the last component is the gender of a compound noung e.-

der Stoff das Wasse but der Wasse		der Essig die Säure die Essignäure	tineger acid acetic acid
	die Sonne der Dienst der Sonnendienet der Mond der Schein die Nacht der Mondschein	the sun worship aun worship the tourn featre shipe tight moon light	
Exceptions:	die Gressmut mag	nan mily ider Mo	t spirat)

## de Antwort soswer (das Wort word)

## Dot BLE GENDER

det	Band	volume	dae	Band	ribbon, tie
der	Huc	hat	die :	Hot	guard
der	Knode	customer	die .	Kunde	knowledge
der	Leiter	conductor	die	Leiter	ladder
Jelen	Sen	lake	dia	See	ses.
der	The	fool	das	Tor	door, goal
der	Verdienst	gam	das	Verdienst	ment

PORMATE'S OF PROPERTY NOUSE DY ADDING AN TO THE MASCREINF FORM

der Eugennder die Fogstederin the English worden

der Student die Studentin

der Inder (findian) die Inderen

Industrie Studentarian e per deutschen L'acceptate An Industrials at ident in a German University

Ich habe einen Englander gesehen I have seen an Englishman

## DECLENSION OF NOUNS

#### GENERAL BINTS

- Femiliane rythe are noticean ed to the craft ar
- I The accusation engalar of a color hours and of a limbal culos nonly (except those of he second leclement) is one the nominative.
  - 3. The darive planst of all the neededs as in,
- 4. The secretive sich lar of all renter many and of a lamb thine manner fescel tracond decleration terminate of zerop a
  - Notice state a calative and gend selate a selatite plocal
- 6. Vo ative cure has no separate from It while the nominative thath in the magnitude and plural) and never takes any article.
- 7 In the case of compared mun only the last comparent or declined
- 8 The vestes in the monestables a, o, a and as are changed into d, d, d and du to the plural.



#### FIRST DECLEMBION

To the class belong all masquine and neuter nouns of more than end as able terminating a class, e.g., the and ten (Character-call and addition of a to the gentity and that and a to the dative plural)

	S	relagn	-P	tiral	H-O	le detente Article
1	der	Vater (the father)	d e	V ter	£ 121	Aptel toto apple)
A	den	Vator	die	Vater	e nen	Aptet
1)	den	Vater	den	Victoria	ettre	Apriel
U	des	Valery	der	Viter	етпек	Apfela

L'emptes der Hu, me - heaven, der Regen-ram, der Sommer aummer, der Vogel-bird

#### Neuter Noon

24	das	Mirtel tmeaner	die Mitter	ean	Mittel
A.	dun	Mattel	dia Mittel	eigen	Mittel
J)	dem	Metal	der Mitteli-	canem	Mittel
G	dee	Mittels	der Mittel	eines	Mittels

knife, des Madchen-giel

The following nount are declined as if their commutive singular ended in the The vowel remains in changed in the plant.

der Buchstabe	letter of the	der Glaube	fuelli
der Felson	the rock	der Haufe	heap
der Funke	peace	der Name der Same	name
der Gedanke	thought	der Witte	witt
	ingular	Plural	
N. i	ler Name	die	
A. c	len Namen	die Name	
D, c	lem Namen	den Name	n
G. c	les Nameus	der	



#### BROOKS DROLENSION

1 The comprises all masculate mains ending to < Proofing no communitive singular all other cases are for red by the addition of -n. The rowel does not unlike a any change in the place.

	Singular	Plural
	Knabe (the boy)	die den Kuaben

The following are man arly destined

der	Affo	the ape tomkey	der test e	huiband
det	Bote	пежеорег	der Neffe	net hew
dor	Erbe	heir	der Geline	0%
der	Franzose	Pronchinan	der Sklave	diave

Adjectives used as mascul no nouns and presented by the deficits article stond be similarly declined.

der A to	the old man	der hranke	the diseased
der Reisende	the trave or	der Gegebite	the learned

The following mass and norms which have dropped their final catill follow this decleasion

der	Bat	the bear	der	Tor	the fool
der	Hell	the hero	der	Diamant	dismond
get	Hett	Mr	der	Kamerad	comrade
der	Monach	mankind	der	Philosoph	philosopher
det	Nagr	the fool	der	boldat	reiblos
der	Print	the prince			

	Singular	Placel		
N.	der Student	die }		
	den }	den St donten		
D.	dem Btudenten	den st getten		
G.	dos j	der		

b



#### THIND DECLEMBION

To this class become to most obsecutive monoscillable pouns, and the participants beginning with Gr

The vowels a, e, a and as in the rest generally change into a, a # and

The following are so is of the musculine minus white yourself remain unchanged:

der Stoff	#ubstance	der Schuh	shoe
der Pfed	the path	der Arm	атин
der Teg	day	der Grad	degree
der Hund	the hound	der Punkt	the point

#### M asculing Noon

		Singular	- 1	Plurel		Indefinite riicle
N.	der	Hahn (the Jap. ccck)	die	Hilms	e:n	Habn
٨.	đen	Hahn •	die	Habne	einen	Haha
Đ.	dom	Habus	den	Habner	еннець	Hahne
G.	dea	Halines	der	Habne	emes	Habnes

## Neuter Nonn

	Sing	ular	Plurel	With Indofinite Article
N.	das	Bata (mit)	die Salze	ein Salz
A.	das	Salz	die Salze	einen Salz
D.	dem	Galze "	den Salzen	einem Balze
G.	dos	Balzee	der Salze	cines Salzes



Der	Bahnhof	the elation	and der Kopf	the head
-der	Berg	the bill	- der Ring	the rang
-der	Brief	the letter	- der Rock	the cost
der	Eingung	the entrance	~ der Sohn	the man
Sder	Piach	the fish	der Stock	the attck
der	Fluor	the river	4 der Stuhl	the chair
tler	Fround	the friend	der Tanz	the dance
* dor	Fusa	the foot	der Tooth	the table
तेवर	Gust	the guest	der Chermek	The overcost
der	Gebrauch	bed	der Linfall	accident
dec	Gesang	mnig	der Vorhaug	the cortain
eber	Hundschuh	the glove	der Zahn	the tooth
√ der	Hut	the bat	~ der Zog	the first

Massabbe in its of more also one allable and ending in 2, in 2, ing 2 pand one inted as a sale the same freezes of

der Konig	the king	der Kafig	the cage
der Essig	the vinegar	der Monat	the mostle
der Hering	the herring	der Palast	the palace
der Jungling	the youth	der Teppich	the carpet

VI The filewing was hope respectively like as in the plural tradeod of sec-

der Dorn	the thern	der See	the lake
der Efru	the peaces 8	der 81 1-11	the state
des 5- hmerz	th para	der Straft	the ray

The following mass aline nouns take of in the paral and modify the root-vowels a, a and w --

- der Goist	the mind, spirit	der Rand	the edge
der Gott	the God (pl. Götter)		(pl. die Rander)
der Leib	the body	der Wald	the forest
der Mann	the man, husband		(pl. Walder)
	(pl. Manner)	der Wurm	the worm
			(pl. Würmer)



#### GRANMAR

#### POURTH DECLERATOR

To this de tension belong at femining moune to the singular all feminine no ne remain in himsel. In the paral they take either some or son

I Most monosyllables take of in the parall as I their first yowels undergo modificate 0 at the same time. Thus

		Smpilar		15	(tarial	State	Denfin	to Tricia
A D.	d e der der	Nacht	(ti shift	dir den	Notice Notice Nation Nachte	6 1 PF	Ny ht Na H Nacht Nacht	ore n #1 t

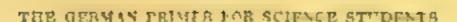
The following mon sayllables are sure arts declined -

"die	Bank	the beach	die Kunst	the art
dso	Braul	the bride	die Luft	the air
रो ७	Brust	the bresst	de Lunt	pleasure
d e	Faunt	the fat	de Macht	power
die	Proult	the fruit	die Magd	the mail servant
d e	Hand	the land	die Mau-	the sarger
die	Hant	this aid to	3 o Schnice	the strates
die	Kraft	the etremeth	יילדול פוליי	Unit lost to
die	Kuh	the gow	die Wand	the wall

VB. The fellowing incressyl also fermion around the misd to their root vowels and their parallel fermed by adding the misd to

de	Art	kar.L	BEHECKS.	die	Jast.	the coad	10	phan	the term
dir	Bilm	the r	oa i	dis	l'ift cht	the dity	3	Far	\$1 c - 1 m/
al c	Ванк	tho b	ank	die	Lost	the post office	die	t br	tie watch
do	Phot	the f	B iod	die :	Qua	torment	in	With	Chart.
die	Form	10-	- VIII \$ HT	die	s hasht	tre batte	die	West	world
s die	Prau	1 1 4	WORLS D	1 0	Schrift	the works to	d o	7 als	n inber
d e	Taget	Hig c	hase	d e	School 1	Hydect	d	200	tong

2 Femilian be bushed more than one wallatio and ending in ansand staff form their plura by a line, a series of merced into house a particle Kenntons-knowledge, particle beautified.



3 Fem nine rooms of more than one syllable on ept those in any and see take on it the point and retain their root vowels accommod —

Sp. c+	ir	P rai	Wate Irde	to to 1rts le
N. die !	Saure di	o Sauren	61216	Saure
A. do	Saure di	e Sauren	6106	Saure
D. der i	Saure de	n Sauren	eaner	Saure
G, der i	Bauro de	r Sagren	omer	Saure

The following from one one to are son lates de lined -

d e	t-t-ld	the v W	de Naso	the true
110	Arbest	the work	tip Vic barin	the gather of other
1,	Felabrang	experience	tier Ruse	the rose
die	P 10 1 24	the shout	die Schule	the act ool
die	Irelet	free-form	die Stunde	the hour
die	Freehdelinft	f ea h p	de Cante	the a life
10	Heffmag	la po	die Wocke	the week
die	Laspe	the lip	he Zage	Dio bunt

The works Matter and for the matter and daughter are exceptions to this declension

- 8	mgula	F a	. Pl	uzqi	
N.	die 1		die	Mutter	ě
A.	die	Motter	dia.	Mütter	
D,	der	Mintel	den	Müttern	
G,	der !		der	Mütter	

## FIFTH DECLESSION

To this fear in taken all the nation to make except these bayons, if we come and that we not offered belong to the first declement.)

In the matter to an decred like name of the third declerates in the phiral the electric terms to the electrical trial trials were their decrease months nemers on the other hand lake or, in which case they always modely but root-towns.



#### GRAMMAR

## POLISTLLABIC NOUSS

Singular			Plural		
N	den	Metall	die	Metallo	
A.,	date	Motali	die	Metalle:	
D.	dem	Metall (s)	den	Metallen	
G.	dea	Metalls	der	Metalle	

## Illustrations

Dass	Bekenntnis	the confermon -	das	Greetz	the law
das	Billet	Let be	day.	respain h	He prisecoa ion-
das	Gebaude	the bottong "	dan	Frutrument	the instrument
dun	tiel rate	Or me illean tally?	444	Julia e terr	the centry
dis	Gebeumme -	the secret	dan	Kamel	the camel
dim	Geschaft	the lumpes	dan	Papier	paper.
dio	Geschonk	the present	dan	Zoughin	testimony

## MOROSYLLABIO NEUTER NOURS

	Singu	lar	Plural	With	Indefinite	Article
N	Dan	Glas	die Glaser		ein G	las
۸.	das	Glas	die Glaser		eiti G	llam
D.	dem	(H)040 ·	dou Glasern		ettiom G	Jane
G	den	Glases *	der -Glaser		eines G	Janen
N	den	Kind the child	die Knider		enti K	rnd
Λ	dae	Kind	die Binder		em K	and
D	dem	Kind (e)	den Kindern		eanem B	ande
a		Kindes	der Kinder		eines B	indea

## OTHER NOUSE OF THIS CLASS.

Dan Amt	office das Bi	egg das Lamm	lamb
dan Band	ribbon "das Feld	field and Load	country, land
" dun Bild	picture 1 des Gold	money dan Lied	вонд
das Bloth	leaf das Haus	bouse das Schloss	castle
dus Buch		calf das Schwert	second .
dat Dach	roof das Kleid	deces des Tal	Siller
das Worb	wife, wamsh.	das Wort	conf.



#### 1 THE GERMAN TRIMER FOR SCIENCE STOLENIS

Al mase does not nester news ending in stem change this into same in the place :-

das Vertico au , dv der Reich im the richos das Kniertom empre der Irrtum Lie error

W deerd ug coor take or is the plural w bout any change of the post-vowels --

des I the the pear die Jahre

So are the fellowing -

Fran Heer the army due Rohr to be due Neer the sea due Tree annual due Pant pair due Tor gate, duor

The following medical summarishes were so in their plural -

Singular		Plural		
Dan Augo	the eve	die Augen	Her	e irrog dat in the
dos Bett	the bed	d a Butten		miguar
das Liida	the end	die Fuden	A	das Herz
dia Hend	the shift	d a Heinbin	A	das Herz
thur Hera	the beart	die Herren	D	ders Herzen
des Insekt	th user	die Insekten	()	due Herzens
dun Lord	the greef	die Loiden		
day Ohr	the ear	die Ohren		

In the plant the fork wang an nearlable poster constantake a and there is the websiteness to began one to differ then

Dan Be D	the lea	das Herd	the horse
dus front	the boat	dus Pfried	the pound
Jan Heart	the lires I	dry Recht	Hergit
des burg	[] 4 [] 4	dan Balz	the sait
das Leil	Helde skin	discission for	the sheep
div Orft	the prison	But Schiff	the slep
dae Heft	the rapy back	dan Spiel	the play
das ku e	the knee	dys Strick	the piece
Jan Netz	the net	das Werk	the work
	dia Zint	the non-	

But the fell with, polyachatic moutes in one take ir materal with modification of the vowels --

Singul	Plurat		
Das Gemach	the morn	die Gemacher	
das Gemüt	the temper	die Gemnier	
das Geschlecht	the sex	die trementation	
das Gowand	the dress	die Gewander	

The fellowing however take a non-the pharal. --

Dus Kapital	fund	die Kaj talam
das Minoral	memeral	die Mainister
las Stulium	Muly	die Studien

View nouns have durate plant terms, each form have, and so buct meaning of its own :--

Die Bank	(die Banke	beach .
110 DRUK	die Hanken	money-hank
Pas Band	Vdie Bander	ribbon
1,000,100,004	(die Bande	Yolumes
dan Genicht	. die Gesichter	face
Ham Cocquite	die Genichte	vuion
der Ort	* Agric Osto	Nel apo
1201 1711	die Orter	spot, geometrical focus
das Wort	Alte Worter	separate words
1132 44 (014	die Worte	expressions

das Worterbuch word book

The following have got no plural forms and

## (a) The names of materials:

der Band and das Walts wax der Zasse per

## (b) The names of metale:-

day Ble had bay Mangan na , me c las Zin i

"() F 15511 Fas d 157 571 d 51

of or mean and the sense of present the Stable (se Stab

#### (a) Abstract terms:-

Las totals harmen are harmed cold der Hunger hunger die Lache love die Jugend youth der Schlaf steep

Note the follatomy . .

ther I was the fact of the first are with probability to the Pass to not used in its plural." I was "

Similarly, fund Pfund Zucker de agair en et witer desi Paul Handschube. Une par ent al venter

Some nouns have no singular forms --

- die Ferien holidays lie Montin unselen die Keiter ein Lander die Keiter ein Lander die Keiter ein eine Langen die Lange

The company word formula at the earl change among into sleate in the plocal state.

Der Lemann in der in der Leiter mehrmen der Kestmann in dem der Kestmann in dem der Kestmann in dem kestmann in der Kestmann i

#### PRONOUNS

# Personal pronouns 1st Person

Singular			Plural		
N.	teli	T	WIE	We	
A.	mich	trie	une	Ud	
$D_{\tau}$	m r	to me	urus *	to Us	
	14 1 61	pf (t. s)	0 - 27	of us	
		Ibb lider	Lan an Indiar		

#### ORAMMAR

#### 2nd Person

## Singular and Plurol (with plural verb).

N. Sie you

A. Sie you

D. Hinen to you

G. Ibrer of you

## Hie aind Deutscher-you are a German

#### ard Person

	Masc	ulina	Fem	rante	Nente	tr.	Plure	t
N.	er	ho	610	eha	08	16	910	they
Α.	thin	him	610	her	89	18	410	thom
11	Jen	15 5/65	15 F	to ber	l m	fr E	Rech	to them
G,	POHINE	of him	abrer	of her	beiner	of it	three	of them

When real reflex sels, and mer consume need for mosely to mysels a medican to a realises but on he for to make I temple two for onescif. Do sels as well their datases and S. h. f.r. volume for yournelves (with datives)

## Interrogatics pronouns

Max, & Fem.				
N. war 21	who ?		wat 2	what?
A. wett ?	whom ?		was 2	
D. wem ?	to whom?		WBF *	
G. Wessen ?	whose ?		weisen ?	,
Historia application	Detectively 3	1 104 4	ينا كلود عد	hamounte of partie
Wer ist dieser M	mp "	Wa	, a 1,4 T	10.

Wer mind desert a de Wie are these people.

Mit wen hast du ge prochen 'Will warm hist them speken ?

## Relative pronouns

	Mo a cr	F 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	North	er ter en
N	we cher who, who	that we cho	Constra	scell e
A.	walchen .	welche	welches	welche
D.	welchem	welcher	welchem	welchen
G.	dossen	deten	dessen	deron

22 HE CLASS FOR BASES FOR

we her the same to de late

Westerson dean Materials and discherge

Welches and deine Bücher 7

Well toward de is Br. Jer !

WELL toward has scrittened durings 9

What tore willings in the

While to the busher "

Who in the Lecture ?

### Relative der, die, daz

N.	चेल्ट	die	das	1 -0
A.	den	die	dae	die
D.	dom	der	deto	deren
G,	dessen	deren	dessen	deton

#### Postessive pronouns

I there are formed by the albitum of its the presence of extragricum in a n nearer on a fur, our

$M_{\rm M}$ - $d$ $m$	1,	South		Plurat
der mein , e	Ar Herer ge	das me mpo	11.11.6	d e meinigen
der er nge	dewnye	las sciting	hari	d e sem gen

They may want mer be used without the Article -

V · · · · ·	Leading	1000	J telling	1 i Combets
mercet	me ne	menner	me he	*** * *
1 for	Fre	direc	Free	Leen, their
unanter	U (a territ	District	mmerc	0954

The above processes a coloured like door e-

#### 1 + ATHY CA

1st das Its Item.

1st das Item.

1st das Its Item.

1st das Its Item.

1st das Its Item.

1st das I



## Indefinite pronouna

## To this class belong -

man	one, they, people
consister	about order, our another
legeturene	everybody
pernaced	enssebody
niemand	zohody
etwas	etimething
anthst	nelf .
gar mehte	nothing at all

## Man mgt-They may, it is said

Mun hit refunder. It has been found

Musi lest his but stary in Walser, the disaffee De adjutance in water

Man west tolon Notice and it beneat the posts weathed with bentene

## Demonstratice pr nour .

#### These are

Masouline	Franco	ir,	Neuter	
dieser	Miceo	disses	this one	
Jener	jone	jones	Abat	
demelbe	diasethe	danatha	The same	
der printere	die nat.	e Inn same to		
der andere	die anteie	day and re	Districtly a	
documps	beauty)	la jepa <sub>p</sub> e	9.8	

## Abridged forms of degenion, etc. :-

	Mas.	Fem	Nen.	Plus, All Genders
n.	der	die	des	die
A	đen	d e	dui-	<del>Jino</del>
D.	dem	der	dem	depen
G	dessen	deren	वैदयस्य	đeren

## 24 THE CERMAN PRIMER FOR SCIENCE STUDINGS

Mem Book and der, et , et et et Brober. My coat and that of my brother.

Die er Apparat milijerer - Toron parat and that con-Dieses Sale and Jaspinie am Lawritin and This sort and the one in the Laboratory,

#### ADJECTIVES

## I In there are not supplied on a record and monogyllables, & g

, F	C.	blur	1 (4)
AT.	THE P	briti	er v
ers.	A other	ream	1.010
ka t	1.5	schon	henot fol

but the unitarity are direct from the aid to make by the additional multiple to the atom -

Suffix	Word formed
met p	silberartig ver-like, where
har	Justine at an extensive terms
-013	golden; eichen—made of oak
-0FID	emern—made of iron
tidas *	w dersta def big e public if resistance
f erent	est on groups suped
l nft	lea oft I vely krankhaft I a ased
-ig	giftig-poisonous, zeitig-timely
-pauls	hamilian tan i nambah saham
-leer	liableer—involess
Hist.	disblich lovely or ratch marly
1626	furbus agrances perations odurctess
fel k	Z I I CAL LANDARI S. S.
F1532	classic - while car constantesin sets
	sible, sontimental
vet1	prachity has a market feeler! fainful
wert	kennetawer( wort snew na
Ward K	thereword a remainship chromity-
	yenerable

#### GRAMMAR

A When the adject to in used preductively it remains unchanged in all numbers, ganders and cases, and is piaced at the end of the contence:—

> Der Mann ist alt Die Manner eind alt Die Frau ist alt

The man is old The men are old The woman is old

When used attributions yet precedes the room it qualities and bus terminations varying according to the number pender and case of the norm as in Sanskrit:—

#### MARCULINE

	Singular		Plurat
N	guter Vater	good tather	gula Valer
A.	gnien Valer	propel father.	gi te Viter
D	Linteria Vator	to went father	kuton Vitern
G	guten Vatera	of month in their	, ter 1 ter

National or transcribent a next ten in minchen Istakten ober legen se -- Pice natural mannie is in mans points uperprise to the artificial one.

de te mer det W he des Menschet ein Guten, lestoutwillers at hit het tet seine die linguiset is kiel berounden le Gewalt. The parer a man a will to di good the more irresist ble is his power to overcome injustice.

Adjectives followed by the Articles its decimed in the following way:-

	Smiller	I azə	W to let to de 4st b
A D	den goten Voter den goten Voter den goten Voter des goten Voters	die   _uten     der	Vater en gater Vater Vater enen anten Vater Vater enen aten Vater Vater enen gaten Vater

N



#### DESIGNATION

N	gute	Mutter (g	good moth	ier) Gat	a 3	fütter	
A	gare "	Mutter		gal	o B	futter	
$D_i$	guler	Mutter		gul	lon 3	luttern	
$G_n$	guter	Mutter		gut	or M	ütter	
8 07	Hear		I aral	н	ith I	ndefu de	Article
to pur V				Miter	r no	s ate	

A he to Mater he Mutter ene g e Matter

D der jolen Mut er der Mattern eine g e Mutter

G der gulen Mutter der Matter eine gaten Mutter

Das werige was it's geternt take, vertanke ich meinem guten Vater -The little Bot I have leacht I owe at it's my good father

Me ne gute Matter itsm and knowle ups ween war on Bette lagen - My good mether can ound knowled us when we lay in hed

#### NEUTRIL

		Singular			Plurel		
	1	A. guten D. guten I. guten	Kin Kin	d de		gute guten	Kinder Kinder Kindern Kinder
A D	fas gute K das gute K dem guten des guten h	nd nd kind in tes	die die den der	gaten	Kander Kander Kander Kander	entre entre entre entre	gutes kund gutes Kind san gulen Kinds er guten kundss

When two or more ad tives quality the same norm without an Article or other word so have decided they are desired in the same way. Thus:—

N guter, neuer schonen Hund (a) good, new, tine dog A. guten, neuen, schönen Hund (a) a (b) (c)

Es war ern altes langes graues Haus. It was an old long and gray house

#### GRAMMAR

## Degrees of Comparison

4 (i) There we three degrees as in Fig. 1. The con-paratise in formed by adding or it is, he appeals to by it the animals of order monosyllables are at the same time. Start is to a mand a respectively

Positive		C regional c	86)	elat	107	Advertisa or Endicable
41m	Jook	critics	Her, die	das	trm ste	arn atresten
grown	great	groser	,		alrect,	am grosslen
kurs	short	kurzer			korzosta	am kurzesten
ede1	noble	edler	11	10	edelate	am edelsten
stark	atrong	alarker			at arkete	am starketen

## (b) Irregular Comparisons :--

gut	good	besser	dor.	die.	dan	bente	Bee	bastep
boch	high	hober		10	94	hochete	0.0	t at step
viel	much	mehr	4.0	**		mondo	(6.5-1)	tarenden
nnh(e)	hear	pabers		44		nachete	400	n-Juden
gern	willingly	Deber				tiebste	D111	infoton
buid	2002	elor, fruhe	10				9,211	enesten

Im Sommer 1st Haramelders to beever also a Wictor. Matton is better in summer than in winter.

Der Rein das wichtigste und verbie teste aller Nichtungsmittel enthalt 64 90 "Stockenricht Türe the most in pertent and most widely nied foodstuff, contauncis in starch

- (c) Some adjectives are used adverbinly without inflection.

  Answerst—extremely harded bugley exgebrant const housely
- (d) The following energy als adjectives to make the leading of an comparison —

blass	pale	knapp	Light
bani	gay	lahm	lame, ferble
falsch	false	rols	EAW
bold	a kind	rund	round
	foll	full	



the letter and the late of the letter and the lette

But	der hobe Berg	the high mountain
11.	die hohen Berge	the high mountains
G	des hohen Berges	of the high mountain

(f) The word 'than' is represented by 'as a

the Same a passer and at Mana He sub as bigger than the moon

The Sales ore of a ricer as the University Hadroch due and a steonger than glacial acetic acid

## 5. The demonstrative adjectives .-

Mar.	Pem.	Neu.		Plural A Genders	
dieser	diem	dieses	thre	diese	these
Per ex	ye to be	Property	17 7	frae	75, r
to chor	24 14	13 T F 614	f	side.	n h
derest.	dection	dv dhe	dr. san	d ezelbee	

brail and ergh die ver til der berittilten i legers gemesst wie dieser ochsit die groece l'aparart to Judy Limite gh, the wide of the famous flyir, engaged incohin great popularity.

# 6. The interrogative adjectives -

	Mas.	Fem.	Nen.	Plural All Genders
N.	Web her (w) b)	weel that?	wat has?	welche 7
Α	welchen	46 1 ,	well-haw?	welche ?
$\mathbf{D}^{-}$	welchem?	ventot ex 2	wer bem?	welchen /
G	we ches	well ber f	welches?	weicher ?
	We tes Buch is d	o bester	Which book	in the best ?
	World let die stiek	ma Sinte	W ich or the	strongest acid ?
	Welches ist due not.	rlichs e Metail?	Which in t	te most useful
			metal 2	



# 7. Possessive adjectives .-

meib	mg	uneer	OHE
derp	thy	abr	their
DEID	Ase	Ihr	your

# Note the following .-

Mein	Vater	my father
шенне	Mutter	my mother
mem	Kind	my child
(neine	Kinder	my children

# 8. Indefinite adjectives :--

Masculina		Familing	Sinter	Plurat
jeder	ecery	Jede	jedov	
aller	all	alle	a1-e+	alle
mancher	many 4	manche	пъщ Вен	omnebe
Heim	Not n	keine	kern	kerne
viel	much	Tiel (0)	esel	y ale
wenn.	little	wenig (r)	wering	Web go

# THE NUMERALS

r ardocal			t riting of			
0	llua					
3	ein ein	đei	d	e	das	OFFIC
- 2	zwet					awe te
3	dres			+ #		dratte
4	VIET				24	vierte
8	funf			14		Linfte
6	seche.				+ p	sectionie
7	meben	.,		n	41	s.ebte
8	ու ե1				.,	achte
9	neub	10			24	neante
	zelin	,,	,			zebate
10	olf	31		,	4.0	elite
11	zwolf			*	21	zwolfte

~	

	Cardinol		Ordinal	
13	dreizebn			
14	wierzelin			
15	funfzelin			
16	rechzeho			
17	niebzehn			
18	schtzehn			
19	neunzehn			
20	EWannig		awamaigate	
21	em und zwe	inzig		
22	swei ond sv	Yanzig		
30	dressig			
40	vierzig			
50	funfzig			
60	sechzig			
70	niebzig			
80	achtzig			
90	neunsig			
100	hundert		hundertste	•
101	Lundert (+1-	d) eine	hundert un	d erate
200	awer launder	1	zwei bunde	ortate
1,000	teusend		tausendate	
1,000,0	00 eine Millio	o *		
				Guntler.
eyno	nal	once	eraleba	firstly
2196	·mol	twice	emeitens	recoudly

einmal	once	етяlевя	firstly
zweimol	twice	zweitene	recoudly
dreimal	thrice	dratens	thirdly
manchmal	noticel tires	letztens	lastry
diesmal	thus time		
engerleî	of one kind	ein(ac)	simple
zweierlei	of two kinds	zwe fach	two-foid
allerler	of all kinds	vierfach	four-fold
die Halfte	the balf	hatb	balf
ein Drittel	a third	anderthalb	14
sin Viertel	a quarter		

zwei Drittel 1 uneben Vierzigstel 26

How many weeks bun a year? Wieviel Wochen hat ein Johr ? Jahr hat zwer und funfzig A year has 52 weeks Wochen,

Ein Jahr hat drei hundert funf und- A year has 365 days. sechzig Tage.

Der Februar hat 28 Tage Wieviel Uhr ist es? Es tot ein Viertel nach zehn Es ist zehn Minuten von 7 Uhr. Ex sat off Minuten much does Es 1st drei Viertel zwer En jot halb net t

Er kam um neun Ubr.

February ban 28 days. What o'clock is it ? It is quarter past ten It is ten minutes to seven It is 11 minutes past 3 It is quarter to two It is half past seven He came at 9 o'clock

Neunzelin hundert funf and draising-1935

#### VERBS.

T e Conjugation of a few counts in verbs or given below

		-	past	part p.
Verb	selst	to be	WAT	gewesen

INDICATIVE, MOOD

Singi	dat	Present Tense	Plu	nul
ich bis du bist er ist	Lara thou art he is		mic sind	you are they are
		Imperfect		
ich war	I Was		WIT WEIGH	WE WEFE

ich war	I was	MIL MRION	ME MCLO
do warst	thoa wert	Sie Waren	vola were
er war	be was	ale Wales	they were

# Perfect

we have been wir sind geweren I have been ach bin geweenn

# Pluperfect

we had been war waren geween. I had been ich war gewesen

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## Future (indefinite)

ich werde sem	I shall be	wir worden sein	we shall be
---------------	------------	-----------------	-------------

# Future perfect

ich werde gewasen se b	I shall have	wir worden	Itasle ow
	been	Removed as 1)	have been

#### SUBJUNCTIVE MOOD

#### Present tense

(wenn) sch se	$-Cf_{\ell}$	I be	(webu)	₩ Г. метец	(if	we be
a dia sotosti		(bou be	+	Sie se en		you be
p) ch eer	40	he be	10	Ald serios	24	they be

# Imperfect

(Mapp	i h wate	(f)	I were	(wenn)	Wit	Waren	(f) w	o were
	dis warest		1bo0 wert		Nie	scireo.	5	on Were
	or water	ă.	lo were	11	nte	Wiren	., 11	ney Werd

# Perfect

ach an gownson.	I chay) have been	WIT women yowes itt.	we (may)
			have been

# Verb haben to have

#### INDICATIVE MOOD

#### Present tense

reh Isabe	I bave	wir haben	we have
do hast	thou Last	Sie haben	you have
er hat	be has	eio bahen	they have
	Imp	perject	

10h hatto	I had	wir hatten	We had
du listiert	thou tadst	Sie hatten	you had
er halto	for hid	s e liatten	they had

# Perfect

ich habe gehabt. I have had - wir haben gehabt, we have had



#### GRAMMAS

¢

#### Pluperfect

ich hatte gehabt. I had had wir hatten gehabt, we had had

#### Future (indefinite)

sch werde baben. I shall have wir werden Labon we shall have

#### Future perfect

ich werde gehabt. I stad have wir werden gehabt, we shall have haben had haben had

#### SUBJUSCIIVE MOOD

#### Present tange

(wenn ch habe (f) I have wenn wir haben (if) we have (wenn) ile labest (f they have (wenn) sie haben (if) you have (wenn er habe (f he have wenn) sie haben (f) they have

# Imperfect

wenn's the hatte (if) I had (wenn) we hatten (f) we had , do hatten , you had , see hatten , they had , see hatten , they had

# Perfect

th habe gehald. I (may) have had wir taben gehald, we have had the haben gehald. You have had so haben gehald, you have had so haben gehald, they have had

## Pluparfact

ich lette gehabt. I hal had wie hitten gehabt we had had

# Future (indefinite)

ich werde haben. I shall have wir werden haben, we shall have



# Verb worden to become

#### INDICATIVE MOOD

#### Persont tense

sch werde	1 become	war ten len	we be one
du winst	thoughes much	See werlen	Car percina
er wird	to the names	nie werter	they be one
	Imp	refect	
ich warte	I bery w	that wereless	we become
di serretori	the bearer	Sin se relen	year because
er wirle	to be ane	or wilder	they beame

#### Pertect

or ut geworden the bas because seemily exerted you have be one or ut geworden the bas because seemily exerted they have because

#### Plupertect

ich war gewinden	I had besome	wu waren gewurden	we had
		*	become
dis warst g worles.	they ladd	Sie waren gen rien	yertal.
	become	*	become
et war gown let	Le albec ne	не изгел для свен	Buy hal
			become

#### Future

ch werde worden	L what become	wir werden worden.	we start
			become
du wirst weiden	Les with breame	See worden werden	Van de l
			become
or wird werden	he w.l. became	or werles werden	they will
			become

# Fature perject

i h worde geworden	Leadrase	wir weider Bewirten	we sha
£8.21	become	eesii	Lave L. conse-



#### GRAMMAR

# S RESERVE MADE

## Present tense

Singular		Plural	
twent of we to	and because	cenn wir werden	& fr we he-
			come
d werdest	,, that be	, be	or yeu or
	comast		
,, er werde	as he become	23 930 +1	they is

# Imperfect

werr in words	it 1 Leaning (wenn)	W. P	worden	if we became
d + v sident	, their becar	516	wir feb	a, you became
or warde	, he heraine	600	war lon	a they be
				CBGDR

## Perfect

(went	A set gesser fen	cif. I have be sainted	fwegm	Will Belleti	Rankotz
					den
	du weist in	., the u bast become		bie saleti	
	er ser .	, le his become	,	DIE METER	,

# Pluperfect

Lwetta	wh were gen	or len	- CE - I	Transition of	m-1	W L W	втеп д	लक्ष वर्गका
- 11	du warest	Pr .				Bio	24	**
11	41 Mgto	11				410	16	10

# Enture indefinite

cwebi	r ich werdo w	er-len	+1	1 41	al Deci	Dir	W 1 W	er Jeu	worden
47	du werdest	11					Sie	- 11	91
10	er worde	44					810	31	71

# The following any only werbe a elections in pertant :-

k tuen to be ab e	(to seed))	to be obliged to
		to have to
well and to be willing	о деп	may, to like
to wish, to want		
eoffen aball	dirlen	to be allowed

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tch kann I can ich muss I must ich will I will ich mag I like ich soll I shall ich darf I may

Verb konnen to be able
INDICATIVE MOOD

#### Present lense

Singular		Plural
teb linan	I can	wir können
do kannet		Bie können
er kann	Imperfect	me konnen
tch kounte	I could	wir konnton
du konntest		Bie Bunnten
er konnte		we konnten

#### Perfect

tob habe gekonnt. I have been able wir haben gekonnt, we have been able du hast gekonnt. . Bie aben gekonnt er hat gekonnt. . oe baben gekonnt.

# Pluperfect

ich hatte. I i ad been able wir hatten gekonnt, we had been able gekonnt.

#### Future

ich werde konnen. I shail he, wir werden kanzen, we shall be able

## SUBJUNCTIVE MOOD

#### Present tense

tch könne I may be able wit konnen du könnest Bie können er könne sie können



#### GRAMMATI

#### [mperfect

Singular ich könnte du könntest

I might

er könnte

tel. Labo gehount

Plupetfeet

Perfect

leb batte pokonit

Plural wir könnten Bia könnten nie könnten

wir haben gekonnt

w r hatten gekonnt

to o. sh., to want to be walang Verb wollen

#### INDICATIVE MOOD

#### Present tonie

ich will da we lit ex will

I will thou at all he will

our wollen bie wolen are wollen

we will you will they will

# Imperfect

teli Worlto du wolltest or wullto

Worker

Lo wished

wir wollten Sie wollten rie wellten

we wanted you wished they wished

Perfect

job habe geworld du hast gewollt

have wanted thro bust

wir leaben gewidt So labon gewollt

we have wished 50D ..

wished

or hat gewolit

he has wished are haten gowollt

Hoy ,

# Pluperfect

ich hatte gewollt. I had wiehed wir hatten gewollt, we had wished

#### Future

ich werde walten do wirst wolten er wird woods

Laholl wieb thou e sait was he will wash

wir werden wellen Se wirden woller sio werden wollen

we shall wish you will wish they will wish

#### SUBJURCTIVE MOOD

#### Present tense

two next account I with execution and wollen allowe wish (with

.. du wollest

.. Sie wollen

.. er wolle

.. sie wollen

#### Imperfect

(weam) who life to I wis et a common war a form all we wished

. du wolltest

. Sie wollten

.s er wollte

.. sie wollten

#### Verb sollen shall, to be said to

#### Present Tense

In	dicative mood		Subjunctive mood
S	ngulat	Plural	Singular
du sollet du sollet er soll	I am to	wir sollen Bis sollen Imperfect	ich solle du sollesi er solle
art-artite du colltest er sollte	1 1, 1	Sie collen	ch moilte du militent or sol te

# Vert musica to be of by 3 to to have to

Indicative	Indicative and Subjunctive	Subjunctive
Singular	Plurd	Singular
ch muss I must du muss er muss	Bid munion Pir munion	du museud or museud
	Imperfect	
nch manate   1 ml fo du munitod er mussio	Bis müssten Sie müssten	du mossicat er rassic



#### **ORAMMAR**

## Verb mogen may, to like

Indicative	Indicat re and Subjunctive	Subjunctive
	Present Tense	
Singular	Plural	Singular
teh mag   I like	wir mogen	ich möge
da magat	Sie mogen	du mogest
or and	nie (mogen	or moge
	Imperfect	
ich mochte	wifers ben	ich mochte. If I might
du mortiteit	Nie witten	du mochtest
er mochte	REP THE POST	er mexito

## durfen to be a found fare

Indicative	Indicative and Subjunctive	Subjunctive
	Present Tense	
Singular	Plural	Singular
ich darf I may	wir durfen	jeh durfe
du derfet	Sie durfen	du darfont
er darf	me durfen	er durfe
	Imparfect	
tch durfte. I was allowed	wir dorften (a)	ich durfte
du durftest	Sie dieften (6)	du diaftest
er durite	sie durften (u)	er darfte

# Regular Verbs

In the Inhestive addiscream verbs terminate in a nor n. The infinitese form accounts a note a when the serb has a doctor

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at the er I former as the state in the negatian verbs the stem remains unchanged during the party of Thus

Լոն	nitiva		Htmm
fragen	(to ask)		fram
eagen	(to any)		#ap
atmen	(to breathe)		atm
c ffineta	(to open)		offic
aistean	(to tremble)		2 Ifor
ich eage	Z my	wir nagen	tte mij
or angi	be says	510 Hagen	they say
teh ungte	1 and	Wir nagten	we will
er sagte	he end	no sagten	Dey said

#### Future Tenar

teres from the future terms a free and by placing the present

ich werde nage b	[ a will a sy	ver wer len augen	we shall say
का भारते स्थातना	he with may	ale werden sagen	they will say

The conditional form a obtained wit the help of wirde and murden, e g ,

eb wirde rijon. I should say will worden sajeo we slauld say or wirde sajon. I a word say will so sorten sajet. Hey wend say

# Present Participle

The addition of the tracing of the gives the Present Participle form, \* 9

named f saying breathing laughing

These are always and as Aljectives of Nou a

# Past Participle

Past Participe is obtained in the aregular verbs which will be



Infini	tive	Past Participle
angen	(lo tay)	geragt
loren	(to hear)	gebort
offinen	(to open)	gooffnet
binden	(to bind)	gebunden
Banett .	(to est)	Rollessen
hebrandelin	(to treat)	bohandelt
Surb ren	( > - x)	verloren
off sheet	to lose me extendado	erl wien
studieren	te study	alude t

#### Progressive Porm

In German it does not exist. Thus:-

ich sagte I was saying (= f said)

cr rau de nahr He was nat erseking a he smoked not)

SELENTIAL MEDIA INTEREST SHEET

The girl says, "I have a flower.

tud e ! Pra M delien sagt | des es esta Blanc l'abo

If e air says that she two has a flower

#### DIPARATIVE MOOD

In the Experitive beward to be placed after the Infinitive and the secretarian form in the lines of the sun, after and plure. Thus

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# THE GER IAN E GOVER LOR SCIENCE STULENTS

## A few examples of the Negative and Interrogative sentences

er me d n clt

may ber ?

me fragte metal

fragte we metal?

tauchen Se nicht?

tauchen Se nicht?

4.2

he does not aught does he say?

she did not ask did she not ask?

do you not stroke?

do tray smoke?

the saughe net clie asked not) tasked she to 's sauke to to 's sauke to 's

#### Verb machen to make

#### Present Tense

Indicative	Indicative and Subjust	tive Subjunctive
Singular	Plural	8ingular
tels muche. I make	e wr machen we make	(woan) a na he
du muchat	Bie machen	du machest
er macht	ese machen	er madie
	. Imperfect	
Singular		Plural
ich mu ble	wir ma liteo	owenal fals unable
du machtest	Sie muchten	du muchtest
er machte	sie machten .	er machte

#### Verb atmen to breathe .

#### Present Tense

Indicative	Lodical	tive and Sabjun	otive Subjunctive
Singula	15	Plurel	Singular
ich klime	I breatte	w'r atmen	wernhiel stme
du atmeet		Sie atmen	du atment
ar atmet		aie atmen	ee or atme
		Imperfect	
Indicative			Indicative and Subjunctive

Singular

ich atmete - I breathed

du atmetest

or utmete

# Plural wie almolen Sie almelen



#### IRREGULAR (STRONG) VARAR

A strong or an inemplac verb as he what forms its past tense by a country fate root-vowed only without taking any additional terminal table. In the past part ple the strong verbs also take the prefix quibed do not part with the final and of the infinitive. The prefix polaries are not used in verbs with mattered prefixes to complement, exp. verb, verb, verb, verb.

#### CONTRACTION OF THREGISAR VARB

#### Verb bleiben to remain

#### Present Tense

Indicative		Indicative and Subjunctive	Bubj	unctive
Singular		Plural	ž.	Singular
ich bhair	1 re nam	wir bleaben	(webn)	a li lileche
datete.	this recainst	M. W. Bertheld		du ble heat
or life bit	he remains	s e blechen		er bleibe
		Past Tense		
ach libeli	Legislatine	wir theber	(क्ररमत	ich bliebe
du bliebsk		Bia blieben	41	du bliebest
er blieb		me bhoben		er bliebe

#### Enture Tense

ich wer be hierben	Lahal, remen	wir weiden bleiben	we shall
er w. A blosben	he will remain.	are werden beiben	they will
	ich habe gebbeter ich wurde bleiben		

From the above conjugation we in d that

- (a) The Phiral form of the Tresent Tense is the same as the Infinitive
- (b) The Piera, form of the last Tense is formed by the addition of en or a to the Singular



# A List of some Irregular Yerbs

Info	HIERE	For	Past Participle	Present Sapul	
befehlen (	bnamuno (of	befahl	befohlen	ich befelde	er befiehft
beginnen	begin	to game	1 4 4 6 11	of bearing	cr beginst
bergen	hide	barg	geborgen	joh berge	er birgt
besitzen	potacis.	besites	besessen	ich bentze	er besitzt
betrugen	deceive	betrog	betrogen	ich betruge	or betrugt
biegen	beml	(n)	p 14,00	ach things	er begt
bieten	bel	In 1	galagian	per bete	in limber
bunden	baid	band	gebanden	ieli bindo	or binder
bitten	Lorgent	terr	printer.	mli liste	and I desired
brechen	breste	brach	gebrochen	tch breche	er bricht
brennen	born	brannte	gebrannt	ich brenne	or brount
bringen	bring	brachte	gebracht	tch brange	er bringt
denkun	think	dachte	gedacht	jeh denke	er donkt
dringen	urge	draug	gedrungen	ich driege	er år nut
empfanger	1 POCELYE	em ug	empfan, et	the engineers	er empf mal
empfel en	recommend	raph 1	Prof ben	white public	erre the
ompfinden	feel	eng fand	engin er	a) cogine	crienj brilet
ельен	eat	600	gogoesen	tep esse	er und
fahren	ride	fubr	gefahren	ich fabre	er fährt
fallen	fall	fiel	gefallen	ich falle	er fällt
fangen	entch	fing	gefangen	ich fange	or flingt
finden	find	fassi	gef inden	t tip le	er finlet
fliegen	fly	flog	goflogen	sch fliege	er fliegt
Siessen	Bow	Boss	geflossen	ich fliesen	or fliesst
frieren	freezo	frot	gefroren	ich friere	er friert
gureti	ferment	gor	gegoren	ich gare	er gart
gaben	give	guli	gegeben	ich gebe	er gibt
golien	go	ging	gegangen	ich gebe	er geht
genicesen	enjoy	Copper	депомел.	sel gerwesse	ег депиля
geschehon	happen	the sons	and this in	ich geschelie	er goschiefit
gewinnen	WIB	gewann	gewonien	terr fearings	er gewant !
gresson	pour	g-394	gewoseed	ialı gieres	er great
greifen	Proch	Pr H	gegriffen	ich greife	er greaff



Infi	nties	Lat	Part	Peccent !	
			$I(\sigma^i)$ $\neq c$	Let P	r ! I
balten (to	) hold	bielt	gehalten	ich halte	er halt
hepen	lift	liob	gehoben	tch hebe	er bebt
heissen	be named	firess	gobetssen	ich hersie	er hount
helfen	help	Indf	geholfen	ich belfe	er hilft
kennen	know	kannte	gekannt	ich kenne	er kennt
kommen	come	kum	gekommen	teli komunia	er ork
laden -	toud	lud	goladen	ich lade	er ridet
Inuner	lat leave	Bees	gelasson	ich lasse	er limit
loiden	auffer	Teta	gelitten	ich folde	er le di t
tonan	read	lan	geleann	ich less	of same
Liegon	Ito	lag	gologon	ich læge	or begt
hugan	tell a lie	log	galogen	sch luge	no legs
remidete.	aword	mod	gemieden	ich meide	er in phil
теквец	Disubble	10850	Сотпамер	ich meun	er me t
Behmen	tako	200-10	Full title of	ci li jeli je	er hicomT
Het ben	pame	HARDLE	genonnt	Ich nenne	of negnt
premen	praise	pries	geprioson	tels prome	or prend
raten	gounsel	raut	geraton	ich rate	er rot
reiben	reb	rieb	gerieben	ich reibe	ar rept
reited	ride	rilt	goritten	joh reite	er restet
reprien	min	cannie	geranut	ich renne	ar rennt
र क्षेत्रमा	emed	*roch	gerochen	ich rieche	er riecht
rufen	eall	rief	gerufen	ich rufe	er ruft
naugen	nuck	naugte	gesaugt	tch mugo	er mugt
achaffan	create	what	Les Biller	ch s nofe	er schafft
schlafon	alcop	ect lef	panilister	and whate	er schlaft
echheesen	nhut	will be the	geshio a	n chishness	er within t
schmolzer	n melt	set nob	r peachin la	en ich a beneba	er achmust
schreiben	write	- thrigh	Louis to the	n i h schreche	in obrolit
schen	866	mala	Resolven	ich selte	or siebt
senden	buta	modte	gesandt	ich senda	er sendet
steden	boil	4085	gesolten	ich siede	or siedet
etogeo	ning	sang	gesungen	ich ange	er eingt
entzen	sit	68.59	доленноп	ich estza	or sitzt
sprechen	apank	opract.	Bashaoer er	a chapasche	er spraht

# THE GERMAN PRIMER FOR SCIENCE STUDENTS

Infinitive		Past	Past	Present Tense Singular		
			Participle	Let P.	Brd P	
atebes (	to) stand	stand	gestanden	sch stehe	or stobt	
etelgett	nscend	stieg	gestiegen	ich steige	or stoigt	
aterben	die	etarb	gestorben	ich sterbe	er stirbt	
atomen	քութ	REIGHT	gestossen	ich stoses	er aldast	
atroiten	dispute	stritt	gestritten	sch otreite	or etroitet	
tun	do	tat	goten	ich tue	er tot	
fragen	CAFTY	trug	getragen	ich trage	er tragt	
treffen	mont	test	getroffen	ich treffe	er krifft	
treiben	drave	trieb	getrieben	sch treibe	er treibt	
treten	trend	trat	untreten	ich trete	er tritt	
trinken	drink	tricit	(Rrankeo	ich trinke	er triplet	
verbergen	hida	verbarg	sezborgen	ich verberge	er verbirgt	
vechieten	forbid	Torlot	verboten	ich verbiete	or verbielet	
vergesson.	forget	TELEBRAN	ver, easen	ich vergene	or verginal	
verlieren	Jose	verlor	verlozen	sch verhere	er verliert	
verzaition	forgive	versieh	verziel en	ich verzeibe	or verseibt	
machines	grow	witchia	gewachsen	ich wichie	or wachet	
wagen	weigh	Wolf	ді жодел	rep winde	ar wags	
wanchon	week	Amery	cowarchen	ich wasche	er Wascht	
weichen	yield	wich	gewalten	ich weiche	er weicht	
Wateett	whow	water	Residence	tep mains .	er weist	
wenden	Lura	waudte	gewandt	ich wenda	er wendet	
wetfen	throw	wazi	goworfen	ich werfe	es wirft	
wiegon	weigh	mog	Remofen	tcp anede	er wießt	
MINNE	know	Wussle	Reward	top worse	dt Meise	
gieliou	pall, drs	W Zog	gezogen	ich ziehe	er zieht	

A close observation of the foregoing last wal reveal contain tulus for the change of the root vowers in the strong verbs during conpagation. The fellowing table will denstrate this --

	Verts Ro	of vowels	Change Past Tense	of vowels in Past Participle
1	falton, gefallen, halten	2.	ta	
	lasson, sul lafets, etc.			
4	falgen, laden, schagen,		U	*
	Bregon, wachten, atc.			



## GRAMMAB

	Verbe	Root vowels		oge of vowels in
3	binden, dringen, finden, ungen, trinken, etc.	1		υ
4	brennen, kennen, sender wenden, ste	u, e	•	
4	biegen, bioten, giessen, eroden, achmelzen, gare lugen, verheren, etc.	e, le, 85, å	u, o	ф
6	blerbess, lethen, steigen, weisers, etc.	e1	10	te
7	beimen, gleichen, greife reiten, schneiden, strei- weichen, etc.		á	\$
8	bergen, brechen, helfen nehmen, sprechen, ster treffen, beginnen, etc			o
9	empfangen, fangen, bar	igen s	1	n n
10	troten, vergessen, beatt bitten, liegen, sitzen		b &	•

# Conjugation of a separable verb

Inhistory	aufnehmen	taka up
Lesert Part csple	a duebmend	taking up
Past Pattingle	aufgenommen	taken up

# INDICATIVE HOOD

# Present Tence

tch nehrtie auf	I take up	wir relimen auf	we take up
er mimint e if	he taxes up	ele nebinen suf	they take up
	Past	Tense	
ich nahm auf	I took up	w c nabmen auf	we took up
er nahm auf	be took up	ne nahmen auf	they took up
Present Perfect	hh habe at	if <sub>k</sub> enoman I	have taken up
Future	ech werde s	ofnehmen I	shall take up

#### Passivn Voice

er wird geseben

ne a i ler geseben

ich wurde geseben

er wurde geseben

ich bin geseben worden

er ist geseben worden

i h werde geseben worden

er wird geseben worden

Lam being seen
they are being seen
they are being seen
he was being seen
they were being seen
I have been seen
he bas been seen
he bas been seen
he will be seen

#### INSUPARADIA VEROS

These are computed of a verb stem and a profit of its cot used in forming the Past Participle.

The prebace are - be pound or yet zer

		Past Tense	Past Participle
kommen	to come		· ·
links sampled	to got, he have	129 16-504	<b>Бекинтын</b>
Arbeiten	to work		
bunchesten	to work -	La crim tota	herdest
rechaen	to count .		
berechnen	to estimate	January 1984	bijestijet
effitig	constant		
Lestal Hes-	to or after a	lic-st	Market P
etchen	to etapd		
besteles se	a) to manifely	margary	and gibbs
t andelm	to handle		
behandeln	to treat	behandelte	beforelett
rippen	to run		
ge hueb	to be to each take	MOTAL F	greenen
ant gives	the dearf was from	far his separative o	a lprince
wickeln	to rel		
entwike o	to until to devel p	erts okali	er twickelt
fern	d stants in		
er Mernen	to remove to district	a ertfrijte	er fferut



## GRAMMAR

		Past	Past Participle
färben	to colour		
ontfärben	to decolutinge	entfaller.	entfar it
eprochen	to speak		
ontaprechen	bi vrespoud	sh spheri	ants rochen
halten	to hold		
enthalten	to contain	e thinte	eli difer
Mehen	to stand		
er tstehen	to commute	en arms f	er sanden
Character	yethe represof transport	beginning or	it villie i
erziehen	bi ed-cate	4 1 2 3 3 4	rd + t
eractions	to establish	grantate	· englat
erm glacken	to wike position	erri n i lite	erm g Et
er a ten	to mant tran, t receive	erh e t	erkolin
erles fen	To real	era teta	ernsilet
eileden	to raise to her bless	egt . 1 t.	ert 11
etn eile gen	Lo lostrez	orredr to	er ( cdrn t
arhitzen	to heat	erhitete	orhitzt.
erry to	transfer of ten english	1000	
verbrennen	bo) n=q-	Silinia	o thrantit
yerhi ciclos	General Property Control of the Cont	see a fe	Aerlr u bi
virdinater	evaporate *	verdunatete	verdunatet
verdr argen	de, la e	cet le come	to tracat
veс!аниец	at an has	verhoos	verlassen
verferra	distribute	vertoilte	vertoilt
verdupues	donte	verdünate	veedunat
vergrowern	ell-01, 0	vergrusserio	vergrüssert
verall ern	H-VCf	vorsilberte	versilbert
veraerien	sulpoints for	verseifte	versaift
veresti gen-	11571-715	vereinigte	voreinigt
verfs when	And rate	war I I	, 1 T T
verb indep	unite bird	sasband	serbor lett
or type	the least 3 mills out to	1 4 1 1 6	ic .
extented;	description	seed h	(7)17
zerfallen	Colonib preserv	el	1 T T T T T T T T T T T T T T T T T T T
zerat ren	destroy	10 5 Fee	18. 21

# Impersonal Yerbs

es blitzt	it lightens		
es depoett	E than term	re transle	it rained
ев Звикей	it darkebs	e- hat seregeet	it has caused
es regnet	Al Fair's	es wild regimen	t will main

# Ing a advert with a usative of the Pers n.

ea regert made   Laturated	es jan mezh nac	T bith
en desert medi   leed juts	es rent mad	Lachant
en tribt made ettentes	er what it is much	Listudder
ea lurated trich I not die s	es a 1 nerzi mi li	I grieve
en front mill 1 cm , af	ox seguider), much	1 wonder
es hungert mich. I am hungty		

# Impression fretain the Daties of the Person

es bengt mir	I feel afraid	es kon	nut mir vor	it seems to me
es falt our ein	If or our to not	as pres	st myr	out Khite D
on gefallt nor	* pleases re	page 1	e iit mit	of segments for this
es geltegt nor	[ 100- 100	1.6 15	rar ed	1 вин вотгу
er kill thare a	There were	e	cgabe there	was there were
Es gibt gute und	schlechte Mann	er I	here are goo	d and bid people
Was gibt es Nou	en ?	V	Vhat news ?,	

Hot when define exister ein list not small place a meant, there is so . The transpired by or of an lexisors.

Es tal ein Tiger in dem kang Es war keine blitch in dem Glass ich freuen mich I rejoice wir freuen mie wa rejoice ich atelle mir vor	There is a tiger in the cage.  There was no trulk in the glass ich freute mich. I rejuiced wir freuten una we rejoised.
ich to le noren ich nehme mir die Freiheit ich nehme mir vor ich schmeichte mir	I take the liberty I make up my mind I flatter inyself

I habe used sett geneut etc. her, dans fer sich dert geteklich fühlt.

I was noch pleased to see that he feels happy there



#### ADVERBS

In German most at the angle are indeclinable. When thus used they are indeclinable.

The following examples in any how the adverse are formed from nouns and adjectives:—

a Ding Orang	alterdings	r don'd
r Fail (case)	jedenfalis	முர் நடிக்க
heb	jahrlich	yearly
0	linka	to the left
	techte	to the right
r Tesl (pact)	pr unber leiba	etnetty
e Weise (manner)	to lwence	Journal

# Adearhs of Place

at waite	d-waswards		hera-1	everywhere
ncies-613	o totale	u	ater	twick.
dort, da	there	- 1	ыновжеря	on the way
Regenuber	opposite	1	QUALIF	in frent
ber	bers	T	WO OF	where
trgendwn	any whate	7	ro Hause	st home
oben	Shove	* 2	របស់កា ពិកចាន	together

# Adverbs of Time

aniange	at first	menten	Competity .
angenbackitch	instantly	motgeo	log arow
bisher	list er o	re amb	recently
damala	at the time	nicz-als	Degal
emst, emmal	опее	no h	ati l, yet
fruher	former y	plazkh	e. disonly
gestern	yesterday	selten	ला ते प्रा
gewohnich	neual y	sometch, solott	directly
heatig	frequently	opster	la e1
heranch	aftegwarde	Opermergen	day a ter te norrow
heute	today	vor, estern	day before yesterday

100 mer always. Wann. When jetzt, nonm 170 w'eder 389 h k at (t ... te future Zulotat at last gowerlen. cometimes

At 1 April 12 and a faither extra bese are strong to be Reserve. Triande in the case / in enstoner in enc. da spile Eisberg bei Kap Race (Neufundland)

On the 19th April 1 1 sank in ter rest viva e misder viva, the grant begins may "Proce" as a restrict a solver with an techorg cone specific New Later

Zur Lein, agreewed core us Month in arrests is sett. Let particular to be a way to so recreated and from alcohol-

The for any me I be consisted to numery by frequent reading :--

## Some Advertisal Expressions of Tem.

In the it lie your NORTH BUT Marchaye. no Winter ALL ANDERSON a sit or erest of let the best one am Metern to be controlled and before i the ocamina mittage am l'inde at the end at Geon am Mitting vormitti, « in the ferencer. heatterfing to cow a days am Abend in the evening ara Taur by dr. - 01 Ze t not the time. ber Nacht sweimal am Tage Iws e a day by a gret on the afternoon nact mattage den ganzen Tag all day

> ain sehnten Mar an errem scharer Mir, en ir einer kalten balt ron Zort zu Zeit

Months of the year

der Januar der Juli .. Februar .. August Victo ,, Beptember .. Oktober 1,15 , .. November Mair 11 Desember June

on the tenth May grant or soil a no on a cold night. from time to time

Days of the week

der Sonntag .. Montag . Dienslag .. Mittwoch .. Donnaestag .. Frenteg

.. Sametag, Sonnabend

#### GRAMMAR

#### Seconna of the year

der	Probling	epring
	Sommer	temamer
15	Herbit	automn
10	Winter	winter

The Menate deal Same constant by a fact and Angles The number of the Summer area.

Well be Jakieszcit in part to What reason is to use the satisfact Process of the colon Spring

Weyed Tage but en late. How many discrept a year?
For late lost in the feeting and see the late A year as smoother we get to Windows in the new ?
En jut joint Martin now May

Der Shitz et der fin is Motert dur Tahre. Mar in a Centru Eraubh of the year

# Adverba of Manner

beins e fast	ntimost	ha placed tell	c) refly
nur been olem.	-CB15	prost, consuma	10 (C) mal
bochstern	at most	4 P. A. A.B.	· urely
wen steus	at much	rank ar to	to lie a zer
anders	off orwien	w rkc+h	really
zu viel	too much	in der Tat	indeed
etws	lest vb-	water here lah }	probably
geneg	eno sb	s cluehr	rether
kaom	scar ely	im Ge, en e i	on the centrary
ziemliel	tolerab y	cut day	by chan e
ungefahr	about	s el czelit	pethaps
gloschfa In	likewise	rernebez +	D vacn
eogar	even	vergeblich	(n vain
gonz	quite	durcha :	absolutery
volleude	complete y	Lietua 6	Lesel
besonders	especial y	ohne Zweifel	tonop modifin

# 54 THE OPENAN SHAPE FOR SUPPLES TO DESTR.

Il r Con a The second pute

must at least be twice treated with alcohol.

The speak of the second of the speak market proper for the second of the

printaria sa i di diserri andi

#### FRI POSITIONS

In German the preposit may govern the accusative, dative as well as genetive

I STEEL STAFF STAFF OF THE STAFF

darch	through	920	About
für	for	wider	dentage
Park again	agent / say I	boom	mutai tal
14	Mary 4 Personnel	estima)	Martin of

Coarth prest on see Factor at Hinde .

Make a and the first to the first to the first

I took Itam for my friend

to extern ward a time.

2 I permit a ser a may the day of

- Baan	over to tr	L.	st fr	Let 4	according to
Buert.	yes to ta	У 4	15k	1) 1	next to
n=t	10 17	k k E v	roppe to	antw }	to other with
ne h	arhot	A. Car	ex pt	tpot	on apide of
60.1	Taxas of	Pr. fall (0)	W s s	vil ika	accompanie)



#### CHAMMAR

I have no let a land a deleter

Fry to 1 22 I r r lie to there to a treatment limited from the sections from the sections of t

to circumstances .--

noben ment, beardes AD: n.E auf WOIL . before. 600 hinter betund Glase SOTO moder **CASTOR** eEi . ARS. , m. 1 m. Err - It from To Every

Enthus der Incation of the second of the sec

I of rost below or it have not a

An, not, hinter, pelson, in fiber, unter, vor, nod swischen Stehn unt dem Akkenstiv, Wenn han fragen kann wohm? Mit dem Patry steh'n sie so.

Daes ning nur hann fragen wo ?

When the proper below where the first had not been about the proper beautiful to a second to the proper beautiful to a second to the proper beautiful to a second to the proper beautiful to the prope

The spoon has fallen into the mole

The spoon has fallen into the mole

The spoon is in the mide

deposit of the second statement of the second secon

# 56 THE OFRMAN PRIMER TOR SCIENCE SILLENIS

unterhalb	be ow	nugeachtel	cotwitt standing
diesse te buiber	on the side	r fein	not fir from
kraft	by virtue of	basis w	during
Tanger .	nlon.	zul dur	actualding to (some-
			times dative)
mitten }	by means of	fretz	a spate of ocure

Des kaden Wett radictives, i bin cht zu ihne in in mehr zu ihne.

The There is the risk to Verinch aduper to died in wingen. The amurate during the experimental period be daily weighted

Er, in don't he regar des witten. He went there on no mut of the Wester.

Reben gopflanzt, planted vine.

# · CONTINCTIONS

terjoint on a fact the parameter the verb in the classes they attroduce and accordingly because his ded into the following three classes —

E committee that are rockanie -

septem ... 1 31 by however a letter and. din as well Irlowas but aber ddet OF. alıı. 88 for denn.

to a und be l wand on w Gewin and Verlost granand long See, and Names a record and died

Liebe and the tree on bree et abra a Massen got end Love answere him to total gowing beyond all measures



# 2. Conjunctions causing inverse and vert and subject -

nino -	therefore, thus	losts reduction	acti
abet	2150	entweder sidir	other or
dic er 1	Lene	weder pos	nother nor
duesur [	Come	f , ş.	pagnet 114
damala	th n	111762-6-5	n - a - white
dano	( hyenn	Na 21 >	nussenly.
diszu	fortist perpendi	viction	fresh pr
det noch	toter les	wahi	from
deshalb	therefore.	5 45 13 E	ndred

Mein Bruder at keank al., kaon er richt zur Schille gebeit. Mit liefter and, solle eine tigen ab soll.

sometimes:

als	фи	(II=-C1	white	w brend	whilst
bes	wiifil	oh	w etter	WARE	W. CII
da. damet		obgloich }	atthornh	weaps westwile	ul w - releso
Just	El act	sertery.	11-0	welltert	431
வர் சீடிங்	wo that	soliald	SH WORL IN	Wite	lies
che hover	bef re	AD W. C	3.5	72.61	55-161
falle	1 0.580	2113	n order to	Upo 1	because:

Alone was anti-or aspera by mercolar serval

A late was a ways your fast in Lo saw her

this Kipfer estimation nest Nast of the proposal has been formed Cyperhouse I work out the

Copper received to name to protect contribute and it tapens because it occurs to see a principal and

# A word about Syntax

In superscription of the second order of the distance of the property from Explicit to complex senting I wish to the most

Cases a berman to which feature of the form in language is in about the control of the form in the section of twice in the few words who have well as the stripe of the —

- (Rocken to bod, der Satt juice, liquor)
- by the log control accompanying of state of the state of
- the design of the last of the period of the last of th

part from the very

- the tiple thinks to the Substratement of —Paraneslym the course and not with a correction with outline
- Life the state of the state of high the country to the state of the state of high the country takes to be also state of the state of the state of high the country takes to be a state of the state of t

The the contract serious the auxiliary verbillian the pensagal verb.

When no i versey a present coras first.

- or or or deal verification due. The distribute that I griden because in the first selection of the projection of the pro
- (b) Note also the sentence (2) above

Mark the products of the word order in the february -

To make a Contact alone winder gow recently the Land of the The same to the described beauty that has a first the described beauty that has a first the precipitation of the free base.

there are notion that one if it would even sweeten the own on the character of the substance obtained from all or does not the from it is become obtained substances was an extent to a second methylation with dimethylatiophate.



will go at 13 noon.

In the next of a decaption septembers, on page 12.

If the page is the comparable points in the set of the comparable points in the set of the street of the page 1, with the market of the page 1, and the set of the page 1, and the set of the page 1, and the page 2, and the page 2, and the page 2, and the page 3, and

reading lessons.

# 0

# LITERATURE SECTION

#### Pronunciation

- 2 Mem gehebter Victor, enduch eine Nachricht von die. Unie geslech ter filt ter endstich i-ne natikricht fon die My dent father, filmlig is news from thee.
- Wir haben einen umseter Besten verloren Vir halt ben i-non congestet best en fertor-en We have one (of) our best lost.
- 4 War arm West of non-trase of remer kletters Tell Vrarner vessen over finel tester voort eer konnen tile Wilpant beargs soow to 1 forta values a part

were to black with an demonstration West to be for the kommon to be since their two kyl dar selections for werd.

Ich danke Thuen von ganzem Herzen

I belank bei einer fich auf ihre eilbarte en
I thank you from all (my) beart

Leben Sie wohl!
Leben zee vohl!
Adien (farewell)!
Ich werde Sie nie vergesien.
ich vaird-e zee nee fer-gheis-en.
I shall you never forget.

# LIPRATURE

G. As now that has a second of the second of

Cf "Canal thou not manufer to a mind duesa d?"

—Shakespeare

7 Sodewed by a first one ( \_\_\_\_\_t - ) a - ( ) ton)
Relyae by a - ( ) a - ( ) a - ( ) tools
Relyaed by Lagranger and - ( ) to the lagranger and - ( ) and - (

Weter Weight and the large of the second

- H Sent En 12 Winn 20 20 1 22 m vyden Tel?
  Sesterch Friend Velson i v ref foren fordem fæl?
  The fresh Winner vætt (vætt berese færbætt)?
- U Dan Betragen at ein Spiegel, in wetchem jeder sein daba beetrak en 20 me St peeg el in volubem yed er zine (The) character is a mirror, in which everybody his

Bild Reight . . . Heelt toykt image shows.

10. Nothing is sweet that love rathing structure to the body and the second structure of the second second

neste norteserde et een beste ber perte serte en teste een ber en beste ber putting er repet ver et en je er rebinge er

und besser und finnel al card de l'ele cont l'asser eu l'En année active arte and better n'illeases se un the land

#### Concernational Lease in 1

Guten Morgen mein Herr' Nehmen Sie Piatz ! Sehr gut, Ich danke Ihnen von ganzem Herzen.

We geht es Ihnen ? Ziemlich gut. Let 1br Vator so Hause ? In or lot zu Hause Smil Sie ein Deutschor ? Nom, seh bin om Inder Wieviel Ulir int on? Es at alebon Uhr. La pi om Viertel noch zebn En 101 halb neht. En set non Voertel vor staben Was fur Wetter int on ? En tot schlechten Wetter. Was for berriches Wetter 1 Was halten S e davon ? En front much sehr. En tut mir loid. Verstehe Sie was ich auge ? Ja, sch verstehe alles Was verlangen Sig ? 1ch verlange ein Glas Wasser Kennen Sie me nen Bruder ? Ja, ich kenne ihn Wet int dn ? Land mone Schwester Belia Wohin geben Sie 7 Wir geben on Feld. We kemmt Bella her? Belia kommt aus der Schule. His jet eine gate Schulerin Sie geht immer zur rechten Zeit in die Schule.

Good morning an Take a sent Very well, I thank you with all my heart

How are you? Tolerably well In your father at home? Yes, he is at home. Are you a German ? No. I am an Indun. What time to it? It is seven o'clock It is quarter past ten It is half past seven It is quarter to seven How is the weather today? It is bad weather Wast a beautiful weather ! What do you think about it? I am very glad I am very sorry Do you understand what I say ? Yes, I undéretand all What do you want ? I want a glass of water Do you know my brother ? Yes, I know him. Who is there ? It in my mater Belta Where are you going? We are going to the field. Whence does Bells come ? Bells comes from the school She is a good student, She always goes to the school at

the proper time.

#### nerry and Lexion II

Wan ist der Apfel? Der Apfol ist eine Frucht Was soll ich die geben ? Kin Buch Wan for our Buch? En deutiche-Welches dentache Buch ? Schillers Gedichte. Hast du schon ein Gedalt vou Schiller geleren ? Ja, ich babe eine Ballade gelesen Welche von diesen Bachern und dein 2 " Der Zauberge un Balufen be und " Die Rone Maja und thre Abenteuer's and me Wer int d over Mann ?. Dozer Mann of moin Schwager Mit wem hast du gesprochen ? Ich habe mit Ilicer Schwester gentrochen.

What is an apple ?
The apple is a fruit
What shall I give thee?
A book
What kind of book?
A German (book)
What German book?
\*\*Schiller a poems
Have you read a poem from
Schiller?
Yes, I have read a ballad
Which of these books are those?

"The Juggler of the Zubland"

cuil "The Bee Maja and Her
Adventure" are name

Who is the man?

This man is my brother-in-law.

With whom have you talked?

I have talked with your suiter.

# Conversational Lesson III

War wohnen in dem Dorfe?
Im Dorfe wohnen die geten
Rauersleute, die nus Milch
und Butter bringen
Was sicht min an dem Brum im
Frühling und im Sommar?
Im Frühling haben die Zweige
Knospen, aus dem Knospen
kommen beld die Blatter und
the Blaten. Im Sommer
tragt der Baum Früchte

Who have in the village?
In the village have good peasants who bring no milk and butter

What sees one on the tree in spring and in summer? In spring the branches put forth buds and out of the buds soon come out the leaves and flowers. In summer the tree bears from:

Was neint man den Morgen, den Mittag, den Abend und die Nacht?

Die Zeit um den Autgang der benne neunt man den Morgen, die Zeit um ihren bechaten Stand den Mattag, die Zeit um ihren Untergang den Abend', die Zeit in welcher die Sonoe unsehlbar ist, herest die Nacht

Was habon Sig vor der Abreise zu ton ?

teh fahre un den Bahmhof ; ich nehme em 16 liet zwester kinsse, ich trete in den Wetessal, und hald steige ich ein What one calls the morning, the

to enfect the morning, the collect the morning, the case of its highest position in the mid-day, the time of its going down as the evening the time when the sun is the time when the sun is

What have you to do before a journey?

I go (drive) to the radway station, I take a ticket of the 2n1 class. I step into the waiting room and moon take my nest.

# A Few Commonplace Topics

It is getting in a

It is will early
The our is just rising
The day dawns.
The son has set.
The right is far advanced
It is undright
The moon is up
It is a moonlit a ght
It is exactly one by my watch

The clock goes too fact.
The clock is much too slow.
It was just twelve.

the wird spat

Le art noch froh

Die Sonne get t eben auf

Die Sonne ist untergegangen

Die Mand ist nofgegangen

En ist eine mon helle Nacht

Fe ist genau ein Uhr nach meiner

Uhr

Die Uhr geht vor nach. Die Uhr geht viel nach. Es war Punkt zwolf



It is a vary fine weather.
The sky is clear.
The sky is very serone.
It is a very bad weather.
It is a very bad weather.
We shall have a rain.

It begins to rain fast.
The sain causes.
The sun is very bot today.
It is very close here
It begins to thunder.
It has baded very much
I am in my twentieth year.
You do not look so old
this is still a minor.
She is in her bloom
He begins to grow old.

You are up stready?
I thought you were still in bed
You get up very early.
Did you sleep well?
I did not close my eyes all
night.
I want to dress myself
I want to shave
Where is my toothpowder?
I must comb my bar
Bring me another pot of water

Will you have boots or shoes?
Will you have a clean shirt?
Give me a white waisteast.
Give me my gloves and a nike handkerchief.
Bring me my bet and stick.

Es jet selle schones Wetter-Der Hemmel ist klar. Der Hummel ist sehr heiter I'm int truckenes Wetter. Es ast sehr schlechten Wetter. Wir werden etwas Regen bekommen: Le fangt an, stark zu regnen. Det Regen hort auf Die Sonne echeint heute gebr beies. En 1st nobe schwid-Ea fangt on zu donnern he hat schr stark gehagelt. I h steho im awantigeten Jahre Sie selien nicht en alt aus. Sie jet poch minderjebrig Sie ist in der Blute ihren Alters He fongt an alt an werden.

bie und schon auf '
Ich glaubte, Sie seien noch im Bett.
Sie stehen sehr froh auf
Haben Sie gut geschlaf
Ich habe die ganze Nacht kein Auge
zugetan
Ich muse mich anziehen
Ich muse mich insieren
We ist meine Hause kommen
Bring mit noch einen Krug mit
Wasser
Wanschen Sie Stiefel oder Schuhe?

Wollen See em fraches Hend?
Gib mic eme weisse Weste
Gib mic meme Handselothe und
ein soidenen Tawbentuch
Man bringe mir Hut und Stock.

#### 66 THE GERMAN PRIMER FOR SCHALE BEI DISTA

Do you speak English ? I find it difficult I am not proficiont in Cietinan

Let us speak nothing but Fronch

He is wall yoused in it He speaks Russian as his mother-tong e Where have you learnt German 7. I learnt it by misself, I never had a teacher.

Where dues Mr. Watson live ? When is he usually at home? Can I see Mr. Watson ? Here is my card. Who knocks at the door? Please enter, ou I am delighted to see you. I am glad to make acquaintance with you

Take a chair.

1 wish a morry Christmas and a happy New Year.

I hape you will dine with us

an invitation stready.

I cannot stay any longer. My bove to your children May I congratulate you? I am serry to have troubled Don't mention it. Make yourself comfortable

Sprechen Sie Englisch " En foolt mur schwer leb bin meht sohr voran Deuteel.

Wir wollen mir Prangoneth aprochen

Dr 1st sohr goubt darin Er spricht Russisch wie BOARD Macter-prache

Wo haben Sie Deutsch gelernt ? leh fernte on gana atlein, ich the me emen Lehrer gehabt

We wohnt Herr Watson ? Wann ist er gewohnlich zu Hause? is no ich lieren Watson sprechen? He jat meine Karte. Wer klopft an die Tur ? Troton Sie herein, mein Horr ! teh bin sohr erfreut Rig zu sehan freat mich, Ibro Reknondschaft au machen

Nelimon Sie Platz

leh witneship Throng frobliche Weibnachten und ein glückbehes Neuphr

Sie werden doch bet ana. Mittne bleiben

You will hindly excuse me, I have Entschildigen Sie bitte, ich habe bereits einn Einlidung augenon bien

> Ich kann meht langer bleiben Viole Grusse an thre Kinder, Durf ich Ihnen Glack wönschen? Ich bedaure Sie gestört zu haben. Spreehen wir nicht davon. Machen Sie uch's bequem.

My einter nemis her best regards to you.

I wish you joy with all my heart.

You book extremely well

I no a Equate so t

I have got fever,

I have got a violent headache

He enjoys good health

Are you at laware?
Have you read the papers?
What news from Berlin?
There are very interessing news

He has not written to me their two months

I expect a letter from him every day

He spoke very ill of us I can't endure her talk

Shall we go and take a little walk?

With all my heart.
The reads are too dust;
Let us go across the fields.
This place is really charming.
Ship we all the Breakful to really.
United to treasure.
I prefer to really.

Meine behwester hant meh Ihnen besteun empfehlen Ich wunsche Hinen von Hersen Glück.

Sin selien solir gut aus
Ich bin nicht recht wohl
Ich habe kieber
Ich habe heftiges Kopfwelt,
Er erfreut sich einer guten Ge-

Haben Sie Zeit ?
Haben Sie die Zeitsugen gelesen?
Was bringen tile Neues aus Berlin?
Man hat sehr interessante Nachrichten

Er hat mir mit zwei Menalen nicht geschrieben Ich erwarte alle Tage einen Brief von ihm

Er sprach sohr nachtering von una. Ich kann der Geschwatz nicht ausstellen

Wollen wir einen kleinen Spaziergang machen ?

Die Strassen und zu etanbig Wie wollen durch des Feld geben Dieser Ort ist wirklich reizend Kehren wir um? Des Fruhstuck ist fertig Kommen Sie eine Fruhstück? I is ziehe kehren Aufschnitt, oder zehrnisnen oder einzensbrenen Proch vor. tables 7



Do you take tes or coffee?
In your coffee strong enough ?
It is too strong
This beef is very temlet, it
looks quite tempting
Shall I help you to some vege-

Here are potatoes and cabbage.

Do you eat saind?

Give us the from

The ten in very weak.

Do you prefer bread as I better.

Will you come and law supper with me tonight?

I have an idea that much food at night is not wholesome.

I love and exteem him.
I love him with all my hear!
He is my heat friend.

We intend to steri tomorrow morning
Get your tickel ready.

Let the lady pass first

Do not deny me this favour

1 shall be under great obb a new
to you

Carl Forstmann lived in Darpeling, the spin of the Himalays for 25 years.

We have got a black cow.

Freely morning she to milked at a fixed time.

Trucken Sie Tee oder kaffee?

1st Thuen der Kaffee stark genug?

Frist zu stark

Diesen Ochsouffench ist sehr zart,
re sieht ganz appetitlich aus.

Soft ich Ibnen Gemuse verlegen?

Hier and Kartoffeln und Kohl.
Eisen Sie Salat?
Bringen Sie den Nachtneb.
Der Tes int sehr schwach.
Lee Sie heber Hutterbrot?
Wolten Sie heute bei nur mit einem Abendhrot vorbeb nehmen?

Ich bin der Meinung, dess violenbeen Abende nicht gesund ist.

felt liebe und schatze thu. Ich liebe ihn von ganzem Herzen. Er ist mein bester. Freund

Wir wollen mergen frah abreisen.

Halten Sie Ihre Fahrkarte bereit Lassen Nie'die Dame zuerst hinübergeben.

Verangen Sie mir diese Gunst meht Ich werde Ihnen sehr verbunden teilt

25 Jahre lebte Carl Forstmann in den Vorbergen des Himslays, in Dardschieling

Wir haben eine schwarze Ku h.

fise ist jeden Morgen zu bestimmter Zeit gemoiken.

turnipe.

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#### Convergate nat Lesson IV

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let we what a sign times four are you called ?

Musin Nature set Robin.

My name to Robin,

Willkommen Robin, Bruder memer alten Frounden.

Welcome Robin, brother of my old friend

Abor Sia musson selic hanging som ; reden Sio night mehr En int Zeit zum Leien Margon wallen wit reden

But you must be very hungry, Talk no more. It is time to eat. We shall talk tomorrow

Sind Sie mit Prubitugken fortig?

Are you ready with your breakfast?

Lassen Sie uns gehon, damit ich thuon unseren Garten zeige Hier ist der Obstgarten, es ist ein sahr augenchmer Ort. Er itt gronser als der filumengartun. Sehon Sio die nchönen Apfelbäume mit den roten Apfeln.

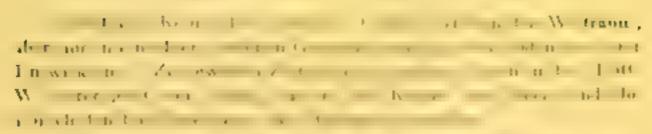
Let us go, so that I may show you our garden. Here is the orchard, if is a very pleasant apot. It is bigger than the flower garden. See the beautiful apple trees with red apples.

## Passages with running Translations

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## Proverbs (Sprichworter)

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- " The man who always kept the peels for his rabbits, "
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  - r Schull—sound Gno, for gnadige—gracious

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" Kann ich es seben ? "

" Was, das Holz ?"

" Nem, das Madchen ! "

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" May I see #2"

What, the wood ?"

No, the girl."

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Der Apfel set das Sumball ber Licht - The apple is the symbol of love.



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#### Letters

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#### LITERATURE

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## Application for a Post

# Kalkutta, den 4 Juli 1937.

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## Geographical Passages

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## Rivers (die Flusse)

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## PRODUCTS (Die Erzeugninse)

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#### DER STEZKARAL

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A chimax of the technical age of the P th century was the opening of the Shez canal, the construction of which was taken up by the famous French Engineer de Lessepe. The canal is the vem of the world traffic between the O odent and the Par Last. The dety of Shez canal is levied two e on many articles. The raw materials from India, Eastern Acts and East Africa so to the European who that is not exfort working up and are sent back as broaded products.



## Historical Passages

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#### LITERIATURE

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#### Consistency Building

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## Influence of English Isducation in India

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Das Louisse e ha direct oder in hieut, das Finsti men ibend lindes our Ideen in his alle Ruit rand in greesem Uniforme eine "hibt, in tip findert es ibut den Kentact fes intenectaellen Inden met dem Westen bergesteilt und et nilg erwei ert. Es war das Mede in durch well his sie unt der Undurk nweit des Laberul sinde und der Derinktanie besont wurden. Durch diese Longua Franca ist es den politisch Leberal en und den I brenden in der nationalen Bewegen, mit hill, sich ber panz finden bin zu verstündigen und der Keim zu einer alleindischen Nationalität bildete sich.



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#### FICTIONAL LITERATURE

#### DER LIEBLING

## Habindranath Tagore

Racharan wat ein Dener des kongs. Er begonn eeine Turskeit am Hofe in reicem zwelften Lebers, abri und diente getre beleise nem Horen. Nachten im Lalast ein Prazz gebescht wie bet war, wie le ftan laran der Sichten in der Majest if des konden Raschuran int allen für den kleinen Prinzen.

Eines Tiges begab sich der King nuch Kakutta, pier die ein Stadt, und am er zurungkant, brüchte er für sein Schrie en all no Suchen nut einen kleinen Wagen ein gebes Glascheit in grabbeiten stes Mutzchen und goldene Vrint inderehen und Koncheltuge.

Es kans de tegnetische Ja reszent und sie bis his ressente Streme and Cherschwengmangen. Die Frisse ter in het im I fer und flossen schnell als sel zu nende im en

Aber das Wetter besserte ein und eines Trues wo te fer Liebung ausgeben. Er steu ein Wassichen ein, auf Kacharin führ im Die Luft war mild und rubig.

Racharan tatte einen Strauss son den Bluten des Raimes gesammelt. Sein int itz winde von einen Lah lo verk ir nud freudig au, er mie dem Winden finn a. Aber als er ex erreicht hitte, war niemand dem in haran Lef winden hart niem ich tungen Lie und ein Herz erstaute vor Streck.

In K a realist worken also until we sen for langen Associations can the trans or them kinden francen the K near rather Managen and de Sur a fade of sulence Randaran Errannte was Flussufer entlang, somer him und her.

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Bave	bunch of thewere	directions.
Bus All a Charge	face	lin leart becar e
from 1 variety c	Face C	bery-shed with
antio clothing	joyfully	fear
		ran along the river-
		bank

# Allan and his father trace for South Africa

Voter korgite in his dem Veilart, ight in Franct Jehrn und riche bescheisen nur bis afraks auszuwardern. Dann keinest das Vische eines grossen Schles und westen unrolagen. Wassern. In a nichte kin die Fahrt breen. I de, und wie erreiten Max. Zu jenen Zeiten hatte die Zichstein aus Litten Afrika nicht eine grossen hittelijd eineman.

The weaker was all a crut take verbanke is bonchers Vater, abort all laster me service New Year on, for londer, and or i not control, in the reconstruct of the anderen Seite was at immore a solution I had for der Natur und der Menschen. War ach wich om guter Schütze und gut zu Pferde

Mein Vater war einer der sanktin, igsten und feinsten Manner, de mit je verzesommen sind und sein Finduss alf mien wat ein a ssorat gunstiger. Jeden Abeild, wenn seine Atheit vollendet war, nahm er sein Gebetbuch und las die Abendpsalinen vor.

#### 1 ITERATURE

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# A bit of Epistolary Romance

Marticee was Wisse About Minn starb zalle se koon fonfantzwiezig fabre. Die war noon about the weber labre ber Seither, aften die Machibleit einer neuen ble fir we neumbaufgebeit. Von den aufgeschafteten liesele der liewerter we entfaltete den einten und lan

\* Huchwerelete griefige Frau. Thre ungew note Belinbeit fat es rur vom ersten Augenbucke. "

Se las nitt wester und nahm den zwesten zur Ifa d. tr. begannt

Wer Se, andere Fran, cirtuid , esseen lat, with the weder seine Augen auf andere Fran rillter konnen. Sound School of "Michese tat diesen Brief bichelt dirtte den caster. In fallte der ditte

Von allen I ranen auf dem weiten Federarende Von deren Sonn beit je nes wurde kunde. Bint Du die schonste

Machese actite but and The Wesensdorst war gel selve. Sie er ob so houd begann wieder im Zie, it et auf or lib zie geber.

Mir sees with a widow. When her bushed died also was scarcely five and twenty years of age. That was now nearly seven

years back. Since the the possibility of a new marriage for her never ceased. I can the leap of letters from unitors she unfolded the first and real. "He by henoused graines lady. Your uncommon teauty has from the first no first no first and it began. "Gracious lady he who has thee seer you can never direct his eyes on another woman. So not his beauty. "Marliese small nely jut this letter to the first one. Then followed the third."

"Of at the tudies up to the wode corrers of the earth, Whose beauty we are aware of, Thou art the fairest."

Marie e inug al hadiy. Her that for knowledge was quenched. She got up and began again to walk as and down the room

e He rat	arr a e	vern slden	to n arry
Lezaten	to marry	e Verm d long	it arriage ceremony
e Braut	brade	r Fr of stre	bridegroom
n I liepnar	married cosp-	e r li l'emann	Luctand

The betrooked on the way to marriage ceremony

#### POETICAL PORTION

Mean Vaterland

Treue Liebe bin zum Grabe."
Schwör! ich dir mit Herz und Hand:
Was ich bin und was ich habe.
Dank! ich dir, mein Vaterland!
Nicht in Worten nur und Liedern
lat mein Herz zum Dank bereit,
Mit der Tat will ich's erwidern
Dir in Not, in Kampf und Streit.

n Grab	grave	e Tat	work
pel weree	to awest	erw'dern	to reply
a Henr	mart	e V t	need
Liebist	41.7 p	r Ivar pl	6_bt
Lorcest	rea y	r Street	dispute, quarrel

#### Was sell hebe

Ich stebe die Blumen, Ich liebe das Spiel, Ich liebe die Schule Ich liebe gar viel

See songen as schon, Ich hebe die Wiesen . Die grunenden Hoh'n 1 h hebe das Buble n, Den Fruss und den See, De bluberden Baume, Den ghizernden Schnoe,

Die Erde, den Himmel, Die Sonne, den Stern Lib liebe das alles, Ich bab' das so gern

Ich hebe die Menschen, Den froblichen Mut, Ich hebe berzinnig Wee treu ist und gut

o Blumen	flawers	r Plans	1991
n Spiel	play, game	bluhend	bloaming
gion viel	a lot	e Haunie	trock
e Wyesen	mead ws	glitzernd	μ listenin;
e Hoh'n	mountains	r Hummel	beaves
e Bachlein	rentek	r Mut ,	countige
fröhlich	joyful	berginung	lieactily

## Jayerhed

Venn er wandelt nof des Berges Bah' Zerheber subreibt Liebehens Lebe Hand, Schreibt ein brieffen nar in ferne Land

In die Luste hoch ein Rether steigt, Dahm weder Pfeil noch Negel fleugt Tansendmal so boch und so geschwind Die Gedanken treuer Liebe sind.

	jagen	to bunt		form.	far off
r	Jager	bu-ber	e	Truff	vir, almosphere
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		e Liebe	lo	ve	

# Schiller's William Tell

Conser	1st das dem Knabe, Tell ?
Tell	Ja, heber Herr
$G_{m}$	Hast du der Kinder mehr ?
T	Zwei Knaben, Herr.
fi	In I wel her sat's den du am me sten felist?
T	Herr to le sind sie ner glech hebe hieder
0	Nue Tel wed do den Apfel triffet von I sume
	Vil hundert is britt, so wirst do de ne Kunst
	Vor nor bewahren in assen - Niu m die Armbrust -
	Du hast e e gle h zur Hand und mach dich fertig.
	Einen Afrit von des Kraben Kaff zo scheisen -
	Diele will braten, see jul, dass da
	Iren Apfel treffest auf den ersten Schuse '
	Leun fehlet du An eo it dem Kepf verloren.

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r Schritt	step	fertig J	g	r Schues	
howahr	en veniy	a blessen	10 wheet	fehlen	(o miss
e Armbro	nt cross by w	raten	to adv so	verleren	to use

Tell lich soll der Moeder werden meiness Kinda!

Herr ihr habt keine Kinder — wisset mel t.,

Wes sich bewegt in eines Vaters Herzen.

Heir Landsont, wir erkennen eure Hibeit,

Frest lisch iarset Goad' fir Recht ergeben, nehmt

Die Hilfte meiner Habe, nehmt eingenz !

Nur dieses Grass alle er asset einem Vater

Water Gressester, krien it ver den frischen Mann?

Tet Sagt wir ich bensteln soll leb frieht' mich nicht lier Vater trifft den Vogel ja im 1 ug.
he wird richt fehter maf das Herz der bindes

Gentler Man band' ibm un die Lande dort."

W Tell. Mich binden!

No e, ich will nicht gehinden sein ich will.

Si li halten wie ein Larien und zu hinicht atmen.

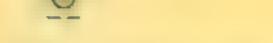
Wenn hit mich bir det, nein, so kein ich a nicht,

So werd! ich toben gegen meine Bande.

Bernight der I tie Angen mer lass der verbinden, knabe! Harras.

Waran die Augen. Unnket he ich forchte
tien. He I von Vaters Hand. Ich will ihn fest
l'ewirten und milit zueken mit den Wingern
Trisch. Vater. zu 2.4. dass du ein Schiltze bist.
Per Trisch der's milit, ehrlenkt und Zu verderben.
Dem Water ihn in Verden so sel iess und triff.

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r Flug	flaght	e Linde	lime free



#### From Schiller's Macheth

Seyton: Die Kon gin ist tol !

Mecbeth , thach emem langen Stillschweigen: War' sie ein andermal gestorben !

> Fo ware would mind die Zeit gekommen Zu solcher Butschaft i trach dem er gedankenvoll auf und ab gegangen).

Murgen, Morgen

Und wieder Morgen kriecht in semom kurzen Schritt Von einem Tag zum andern, bis zum letzten Bichntaben der uns zugemesanen Zeit. Und alle unare Gestern haben Narren Zum moderen en Grabe hingeleichtet!

— Aus, aus, du kie ne Kerze! Was ist Leben?
Ein Schatten der vor ber alreicht, ein armer Gaukler, Der seine Stunde long sich auf der Buhne Zerquilt und totit, dann bert man ihr nicht mehr Ein Müschen ist es, dan ein Tor ersahlt.

Voll Wortschwall und bedeutet nichts.

Seuton: The queen is dead !

Macheth: (after a king a ence) She should have died bereafter;
There would have been a time for such a message,

zugemessnen measured, recorded r Buchstabe letter as lable moder-voiler dusty mud e Moder candle e Baline stage е Кетто a poor player der Ter fool r Gankler r Schatten eliadow m Marchen tale

# From Goethe's Faud

Waquer Ach Gott ! die kunst ist lang ;

Und kurk of unner Leben

Mat I for had been done to a fellow

Laurace of calabit to the con-

Faint Oglucklich, wer noch hoffen kaon,

Aus nicsem Meer des Fritages al., aus bit if

O days ke o blood in Justin 16 h. eld.

the nach and immer nach zu etreben !

leh sah' im owigen Abendittahl

Die stille Welt zu zieinen Fussen,

Entrophia se H to, leng set place of

Den be corbiclion, one but as the co-

I hade fast alrew gowle to the Winkers

Vormatala Tigarline tacder bald,

Den Harris For early and market a get Waler

I has been flower, among the region to

Solisser

Lite Women itter to lat pricare and with in Cond months porn, was not der Erden Und in dem Hummel ist, orfamen, Die Wissenschaft und die Natur.

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E	Boden	brotte !	entare on	Device WIN
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	zwat	a deed of course	e H done	z actorna
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#### Der Walkenhole

#### Kalidasa

OW Remark Zuffahr terer, die sich bargen '
fint gibte beige hieren har, die knospenden
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fore mes sehen labres Spache mich verbar de
hieren auf auf die komis zekrarken des aufebe !

Here have Shore you I destends to the data in the tendent of the Secret violents to the High and abstracts that the branches schoolest, give have Westing and dester that the latter of the Latter of the black with the latter of the latter of the black with

\*for endrymer was design Dukel
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> अक्ष्मिक्ष व्यवस्थाति वेश्वती एकं व्यक्त् दक्षक्षि व्यवस्थिति प्रविक्षिति । वीदास्त्रकाः क्षमक्षित्रकाविक्षकाः एकंगोलीः सीधानमध्य वस्त्रकारं साम् भूग्विकाः ।

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	ster on t	ties g	Depresenta	O inder Kurd
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#### Social Matters

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venturer School fisher or is in Especial federate due Troumen venturer School fisher or is in Especial gabore and sage Sarat Chundra Mates.

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De Natur leit die Weit mehr den kinde "e. ? "e na. E. dannt es mehr Verstanders und 1. norge findes kind hat und unt bie Kindern hat die Natur dem Weite ein verschiebt "e. ". 11

Inshet a rine branched les resten Abers ist he Misiers sehr viel to inger als la France la est euro branchen fer kolor und der Stal he karun findet sil sehr binde, ha Juden uit ses den haben in ht diss her eiter karen findens sehr setten bei der mongolischen und der Negerrasse.

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### A Mythological Topic

### Ina Exschaffung der Frau

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### C1. Kalidana's famous lines:

त्यासानकः चित्रत्यस्थित्यास्यम् इटियानं, वक्षश्कायो स्थिति सिव्यत्तां वर्षशारेषु केमान् । चन्द्रस्यामि पनन्षु नदावाचिषु भ्यूत्रिकासान, इसेक्टिन् स्थिद्धि भ ने चक्कि साहस्यसम्ब ।

# Biographical Sketches

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### SIR P. C. RAY

Bir P C Ray emerit ecter Professor let Universit tita kulta st

so darket i terer Herr. Professir bis interior and gezen neter benner der Geschte der Chemie bei eines ofte der Hildur eine bei hie dim id, eine ein hitation om ber verbrong. Als ein uneim is her til recher schafter in eines hie behöhel of Chemistry. Dr. st. i nerist einfahr seiner Leberst und a. Er lebt als ein bis ein bis ein kannt Wassen haft in hat he este sein. Vore nur für die Fillering für Wissen, haft in für vertrancht. Das With Arbeit natern, für sich nicht in die problesse bat. dieses wert ex innter finders.

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### SIR WILLIAM HENRY PRINCIP

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Also of so class 213 Jahre all gewer len war it a le bur e b 1, al Fe n3 2 2 b 1 Vere i e var ad ze te mi mach in which he had been a had been an had been and the control of the Market rele from knigen se at zin i en "ste in mit lefa hioloueke aus tel no wir Jano toene Wahl ta higher less ich ben Lione Clemker zu werden und timm also ilt lamit Flusben in tichen internation and and worden und Versche and he and wellen."

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#### 11.5

#### EMIL FISCHER

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#### LANG FISCHER IN THE LANGRATORY

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#### SIR ASDTOSH MOOKEMPE

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Calcula High Court erlargte er anssergewid nitt ben Erfolg. Jahrelang hat et desses vor, bt als l'es-dent ge est und lange Ze ther ute et die Universital Kalkutta much a ner cheres fortsel ritti den Ideet Viele dance le l'urattur en der l'eivers tot geben auf reme Arregungen. und so be on ig sohe I offusant me z arack . The University Conego. of Shon's Calcatta ' 7 B ist ein dauerndes Denkinglies ner Bestrebut gen fir die Verbre tung wiesenschaftlicher Erzer ausg im Indien Er war der beste Fre mit dir junger Porm her und Gelehrten. En treo o er auch das hote Ziel seine Muttersprache das Bergan, auf ein souther Stream on bridge . Just ex one herverrage de Stelling in her With terator emerchants for te and relicon day lictur dieses berührten Gelehrten, bereiters und Nat na belden nuch kurzer Brankleit Wenn auch sen Lebenswerk de Verlie big von Was abift and I restrict a Permater cool such a endet at an ween wir doch zu oneerer grossen. I reuse dass sein wordi, er Schnals Vi reconster der Universität das Werk beides Vaters fortf dirt

Si Andesh Makerjee was bire as a son to the dateg shed phasen he femilies and Moneyee of library pore Cabulta I red I we force As a cosh showed extra odinary bro intex. Both as a student and later as an Advocate of the Calcutta High Court Loat used pleasure nationers. In the especia of the start losts or be. to years adorned the High Court and for a long time he directed the affors of the Campital myers to according to her campalyamored ideas. Many ast no love apments in the University owe held or and to his intianop and electricist in flace e. The Canversa! College of Seignice for example, stands a a monomical to the sea for the spirisd of scientific education a India He was the first from to the surgest formund investi ator. As ther rair, devel Acut I was to take his mother tongers Ben a , . - the path of efficiency that she may t will a herself a glorier position in the world's flerature. The career of the most diagosted school education et and patrid was out short by a bref breas it 13.4 The ble work of As tosh the spread of literary and so motific comes on the Bergal - s not yet finished. It is our great del gut, however, to and 'us worthy son as the Vice Unocellet of the I progresty, taking up his father's task in right carnest

# SCIENCE SECTION

### PRONUNCIATION OF A FRW TYPICAL WORDS.

aber	ab ber	(but)	nötig	montak	(песенилу)
A kyls	abi kabb		ohne	oh may	(without)
indert	end-ert	(changes)	praktisch	prable-tish	(practical)
auf	OW (	(on)	rund	roont	(round)
Blei	bly	(lead)	Salge	unbitons	(malta)
Chlor	klor	(chlorine)	Share	eoy-ray	(acid)
das	dahun			tracin ba	)
det	duir }	(the)	Schnee	shnsy	(woode)
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	to so ur h	as)	Zest *	toyl	(fime)
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bou	noy (nev	V)			

# Ordinary Laboratory Apparatus

# (English to German)

A.

der Achalmötser
dan Lufthad
die Wage
dae Wagegehäuse
dae Wagzimmer
die Schule
dan Bad

### 112 THE GERMAN PRIMER FOR SCIENCE STURINTS

Beaker Bell jar Bellows Blast fornace

Book (ron bust-on)

Board, shelf

Boiling Bask with flat bottom

Donsen burner

Calcium chloride cylinder, drying

tower

Chimney Clamp

Combustion furnice

Crucible
Cupbonid
Endonesis to

Delivery tube Descentor

Dork Dac

Distilling flack with long neck

Dropping funcel

Emery

Evaporating beam

Filtering flasks Filter paper

Fifter stand

Plack

Funia chest

Funnel

Gines stopper

Gines tubes and rods

Hearth of a forence

Hydrometer Ico abest Knife das Bechergins

die Glasglocke

der Blasebalg

der Geblaseofen

das Sch ffeben

don Brett.

die Kochtlasche mit flachem Boden

der Bunsenbreuner

der (1 gan i e. Zo i fer, Procket

t atter

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der Verbrennungsofen

day Verbrennungsrohr

der Tiegel

der Schrauk

das Einfeitungsrohr

der Exaccator

dan Pult

die Sche be

die Destatierkofben mit langem

Hais

der Tropfirichten

der Schmergel

die Abdampfschale

die Eitzer fan ben Sangflanchen

das Filtrierpapier

dae Filtriergestell

die Flasche

der Donatabzug

der Trichter

der Glasstopsel

die Glaurobre and Stabe

der Herd

der Areometer

der Eisschrank

das Messer

#### SCIENCE

Lurge flask with short neck Litmus paper Measuring vander Measure Hanks Mechanical at trer Mortar Mortar with pestie Pan Parchment Percolator Througher Pinch cock Porous piste Potash buib Pump Receiver. Rethix condenser Reverberatory furnace Ring burner Rubber tube, hose Scale pan Scotter Вствеп Screw Screw clamp Sea ed tube Being this famel Suphon Stirring apparatus Stopper with thanh piece Suction filter Buction pump Telescope Test tubes. Test lube

der Balen. Large flask round or pear of apeds der karben und oder bruformig) das Lackmuspapier der Messey inder de Meestan en der im bar e be Rol ter die Reibechale der Mitset til Stung fer die Pfanne dae Pergament der Durchsother der Reiber e Stat | fer der Quetschhahn det Touteller die kalkkugel die Pumpe die Vanage der lie kill osksister. der I ta mor fe ti der Heizkranz der Schlauch die Wasschale de Shere . der Schirin die Schrause da kem sea le tie la be to be then dir der St. a. let ab er der Heber dan Kubi werk der sonflikte ptendie Nutiche die Saugentape die beriede die Probierglaser. das Reagenzglas der Habn

The tap

### 114 THE GERMAN PRIMER FOR SCHOOL STUDENTS

Thin piste of a metal das Blach
Tongs die Zange
Trough die Wanne
Trough der Trog
Tube das Rohr

Vacuum dessecutor der Vakuum Exacentor

Valve des Ventil Vermer der Nomus

Wash bottle die Ganwaschflasche, Spritzflasche

Watch glass
Water bath das Wasserbad

Water panis die Wasserstrahlpumpe Wide monthed buttle die Weitbals-Flanche

Wire der Draht
Wire ganze des Drahtnetz

Witt's filtering at paratus with air- die Filtrier Apparate nach Witt tight ground-in cover and mit luftdicht aufgeschliffenein

tunnal | Deckal and Trichter

### Ordinary Laboratory Apparatus

(German to English)

B

die Abdampfschale evaporating basin die Abklarifasche decanting flask

das Ablaufrohr waste p.ps, outlot tube

die Absaugflasche filtering flask

der Achatmurter ugste mortar

der Areometer hydrometer

der Ballon bath targe flask with short nack

der Blasebalg bellows

dus Blech thin plate of a metal die Bohrmaschine boring machine

d e Bombe / sealed tube, bomb tube

dan Brett board, shell

der Brutschraus menbator



der Bonsenhtenner bunsen burner der Chlorkalzum Zylinder, calcium-chloride cylinder, Trockenturm. lower. die Destillierkolben mit langem distribing Sasks with long neck Hale der Draht W fe das Frahtnetz WILD GUIDS fume-chest der Donalabzug der Drockrobe pressure tube der Durchseiher percolator das Ernleitungerohr delivery tube scaled tube das Enneblussrohr sealed tules dag Ettischenelzrobe der Ersschenak tce chest der Examentor dessecutor das Faltenfilter folded filter, planted filter det Flammafen reverberatory furnace die Pagette dask dan Formfolie telescope filtering flack dia Feltrierflauche, Saugflauche filter paper dan Filteterpapior due Filtriergestell filter stand wash bottles die Guswarchflangben weight box der Gewichtskaaten set of weights der Gewichtsente weight das Gewichtestuck bell jur die Glasglocke der Ghababa glass stopper glass atopper der Glasverschluss atopper with thumb-piece der Griffstopfen the lap dec Halinerbbon. der Hober ring burner derfleizkruns hearth of a furnace. der Herd Potash buib die Kalkkugel chamney der Kamus

clamp.

die Klemme

### 11) THE THE VALUE SER DER STHEET STUDINGS

die Kaum dragbe

der kolben (rand oder biruformig)

das Lackmuspapier

das Lütrobr das Luftbad

die Lupe

der mechanische Robrer

das Messer

die Messilaiche dan Messicht

der Messaylinder

der Morser mit Becher

der Nomma die Nutsche

das Pergament

die Pfanne der Pfropf

die Probiergiaser

das Problerpapier

dan Polt

der Quetechbahn

dan Rengenzgins

der Reiber, r Stampfer

die Rezipient

das Robr

die Glaurohre und Stabe

der Ruckthusskubler

das Ruhrwerk

die Shugpstope

die Schale die Scheibe

der Bebeidetrichter

die Schere

das Behiffeben

der Schirm

der Behlauch

screw clamp

large flasks (round or pear-shaped)

htmus paper blow pape

lens

ar bath

muchanical stirrer

kmfe

measuring flack measuring tube

measuring cylinder mortar with postle

vermer

suction filter perchanent

page

stopper, plug test tubes test paper

desk

pinch cock test tube peatle mortar receiver tube

glass tubes and rods

reflux condenser stirring apparatus suction pump

basin

dise

separating funnel

SCHEADES

boat (combustion)

screen.

embber tube, hose



der Schmirge!	emery
das Behmingstpapier	emery paper
der Schrank	auphourd
die Schmube	Mirew
die Boggepfanne	crystallizing pan
der Tiegel	eracible
der Tanteller	porous plate
der Trichter	funnel
der Trog	trough
der Tropftrichter	dropping funnel
dan Uhrgian	watch glass
dan Ventil	Valve
der Verbrennungsofen	combustion furnace
das Verbrennungsrohr	combustion tube
die Vorlage	receives
die Wage	balance
die Wagschale	scale pan
das Wagegohause	balance case
das Wagzimmer	balance room
die Wange	trough
dan Wasserbad	water bath
die Zange	tonge

# VERBS PROGRESTLY FOUND IS SCHNERG TOLLISTED.

# · (English to German)

а.

		***	
English equivalent	Infinition	Past	Past Participle
to act	emwirken	witkto ein	en gewikt
activate	aktivieren	aktivierie	architectal
	e addistan	addjerte	add crt
add	- versetzen	verselzte	versetzt
adjust	abrichten	abrichtete	styered tet
adeorb	adsorbieren	ageotpieste	ndecrb est
analyse	analymeren	analymente	analys cet
attack	angresten	angud	ange, riffen
attract	anziehen	anzog	angezegen

# 148 THE GLESGA TERM RETURNS NOT STUDINTS

English	• Infinitive	Past	Post Portemple
			varmiedan
avoid	virmeden	Actua eq	
beach	b et lien	blich	geble en
boil	Foches	kochte	gekocht
0017	lareden	Sott	gesolten
bring	brit gen	brachte	gebra ht
burn	{ brennen	brannte	et rar at
0.44	verbrennen	verbrannte	verbranat
to change	wedeen	inderte.	geendert
ctane	Maril 1986011	achilass.	geschlosten
combust	verbreitien	verbrannta	rerbrannt
composs	verbinden	verba-d	verb inden
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cual down	nose lifen	ableabite	ab <sub>h</sub> eki lift
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crystalizo	k istall sierco	kristallis erte	kristall mert
	rerfa len	zeche)	zarfallon
decempose	regsotzen	versetzte	repostal
develop	entwickela	entwickelte	antwockelt
lehydrate	eptw (seer))	eptwasserte	entwissert.
digest	verdagen	verdauto	verdast
dissouver	antdecken	, entdeckle	not for kt
dist !!	lest daren	destriberte	destillier
duse	trothen	tereb	Metricbon
dry	trocknen	trocknote	getro knet
draw	zelen	210g	Kezokep
dye	firben	fable	gelitht
employ	verwonden	verwendete	rerwen let
evaporate	verdampfen	verdan plie	verdampft
evaporate of	atidampfen	dampite ab	aligodamp
O TELEVISION OF THE PERSON OF	, ausziehen	tog am	anagezogut
extract	entziehen	entzog	entzegen
0201041	extrabieren	estrabierte	extrahiert
fill ap	f tlen	fullte	gefultt
filter	filtrieren	filtr erte	filtziert
form	formen	formle	geformt
101411			



English equivalent	Infinitiva	Past	Part Participle
filter off	abultrieren	filtmerte ab	abhitriert
forment	garen	gor	gegoren
freeze	frieren	fror	gefroren
Inde	blerchen	bli-h	geblichen
grow	wachsen	wuchs	gawachnen
glow	gluhen	gluble	geglubt
heat	erbitzen .	erhitzte	erbitzt
Lit	treffen	teaf	getroffen
	contaûnden	entzundete	entzundet
ignite	annden .	zundete	gezondet
to increase	zunehmen	palem zu	začenotomen
thject	ainapritzeti	apritate oin	eingespritzt
moculate	mplen	impfte	gempft
molate	nesteine	laolierte	Holiset
introduce	pinleiten	lostete esp	omgolettat
liberate	befreien	befreite	befreit
hant	dauern	dauerte	gedauert
lio .	langen	lag	gelegen
liquefy	verfluesigen	verflussigte	verfluengt
Тоне	verlieren .	verlet	verloren
tnessure	шееер	DOG "	- Кошенесв
molt	achmelsen	echmols	geschmolzen
obta.n	gowingen	gowann	демовлев
ocour 10000	vorkommea	kaut vor	vorgekommen
originale	entstehen	entstand	entstanden
pass through	durchlesten	lestete durch	durchgeleitet
po at	Welesia.	Wies	gewiesen
pour	grewen	goss	gegosien
	, derstellen	stollte dar	dargestellt
brobaro	herete len	stelle ber	hergestellt
recipitate	niederschlager	schlug mieder	medergeschlagen
Press	quetect on	quetschte.	grquetacht
press in	dringen	drang	gedrungan
procee 1	verlaufon	Toulser	vertaufen
ticos.	beweisth	powies	bowtesati

English oquivalent	<sup>9</sup> Infinitree	Past	Past Participle
provide	verschen	versali	verselien
purify	roinigen	remigte	goronngt
rodinative	amhaon .	umlost	umgelost
reduce	reductoren	reduzierte	reduciert
react	reagleren	reagiette	reagiert
remove	entfernen	entfernto	entferut
rab	terven	rieb	gerioben
	tantines	troupte	getrennt
	also her her	schied ab	abgeschieden
меригате	aura ci jen	schied aus	auagesolneden
	scheiden	achied	geschieden *
to aubstitute	eradizen	ersetate	orsetzi
suponity	Vacaoslyti	Votresile	versetft
antgrate	sattigen	mattigte	gonattigt
Dec to	schemen	achien	geschionen
shalo	erhutteln	schuttelte	geechuttelt
	g Welson	Wick	gewiesen
Miow	zeigen	reigle	gezeigt
nymelcla	funkeln	funkelte	gefunkelt
qu lifqa	spulten	spaltete	grapalist
eolidify	éralacios	erstarrie	erstaret
ntur	zübren	rahrte	gernhrt
nuck	anugen	anugte	gesaugt
take place	stattfinden	fand statt	atattgefunden
	c amwandeln	wandelte um	umgewanded
transform	Everwandeln	verwandelte	verwandost
trest.	behandeln	behandelte	behandelt
turn	drehen	drebte	gedreht
	¿ brauchen	brauchte	goben whit
Uso	[ nutzen	nutzte	genutzl
ава ир	verbrauchen	verbrau hte	verbraucht
	erwärmen	erwarmte	erwainst
Warm	wärmen	warmile	gowarns
quash	9rasoben	wundb	gewaset en
wash out	<u>equivaction</u>	watch aus	Ausgewässchet



### SCHENCE

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# (German to English)

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answarden	answert	3-1-4	14 -1 1
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beweisett	bewies	fru cer	place
banden	band	gebunden.	F 1 2
brassel en	brank lite	gettau lit	-
brentien	brannie	"Epilot Di	Lien

# 132 II GERMAN PRIMER FOR SCIENCE STEDENTS

			English
Infinitive	Post	Past part	equivalent
		1 1 -	
britigen	brachte	gebruelit	bring
darstellen	darstellte	dorgestellt	fitch ate
danern	dunerte	gedauert	lust
destillieren	वैत्सा विशास	destifiert	distil
drehen	helite	gedreht	Curn
dringen	drang	gudraugen	bress to
e tien en	OF FIRE II	The control	concentrate
e receion.	Intetricia	err ede tet	pass through
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cinwitkon	wirkte ein	eingewirkt	ncil
entdecken	entdeckte	entdeckt	discover
entfernen	entfernto	entformi	temové
entstehen	entatand	entstanden	originate
entwimeern	entwesserte	entwissert	dehydrate
entwickeln	entwickelte	entwickett	develop
outziehen	entang	entrogen	extract
eptzunden	ontzundete	entzundet	igmie
follon	fullte	gefullt	To fill up
rt (1 + + + 2)	erhitzte	erhitet	hent
ernelzen	ersette	, rect t	substitute
erelatren	erstarate	erstarrt	actuary
erwarmen	orm armito	erwarmt *	warm
extrahieren	extrahierte	extrahiert	extend
Deben	Cirbte	gefarbt	dyr
hitraren	thit or e	fi triest	111-64
formen	( or de	geform\$	form
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## 124 THE GOT ANY AIMER FOR SCHACE STUDINGS

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## Glossary of Chemical Terms

(English to German)

Inorganic

I erente mo Ennente

Ant mees Seemel das Ant mon das Amen das Wismut

#### BUILDER

Beron
Browne
Calcium
Carbon
Chlorine
Chromium
Copper
Pluorine
Hydrogen
Indine
Iron
Limit
Manganese
Necury
Nitrogen

Oxygen
Phosphorus
Platinom
Potassium
Scheon
Sdver
Sodium
Sulphur
Tin
Tungsten
Zinc

Zinc
Zinc dust
Zinc filings
Zinc fell
Zinc ore

das Bot das Broin das Kalzium der Kohlenstoff

das Chlor das Chrom das Kupfer das Fluor

der Wasserstoff dan Jod

dan Eisen dan Eiler dan Mangan dan Quecksilber der Stickstoft der Baueratoff der Phosphor

das Platin das kaltum

des Kieselmetall, Bibeium

dan Saber das Natrium der Schwefel das Zunn das Wolfenn

das Z nk

der Zinkstaub die Zinkfeilspane die Zinkfolie

das Zinkers

### Alloy (die Legierung)

Braze Bronze Cast iron das Messing die Brouze das Gusseisen

### Life and a symplectic process process

German silver Steel Wrought from

des Stahl
des Schmiedersen

#### Acids

Agua regia Botto soid Bromio acid Byd on cavid Carbonio ac d Chluric acid Hydrochloric acid Perchloric seid Hypochdorens and Hydrogen of unde Hydrocyamic acid Indie neid Hydroiodig neid Decurre at car 1. Nitrie acid Natrous seid Long horie and hospherations id Haplada stie and Bibeie acid Hydrogen and phote Antphurio soid S Apharous acid

das honigswasser dis Bornaure die Brommure der En newasseent off die Kohlengauce d.e Chloreaure die Balzmure die überchlorige Sauce die geterchlorige Beute der Communication die Blaussure die Judissure der Jodwanerstoff de Ubernaugans me die Salpetermure die mipetrige Saure do l'implace inte il e plumphor se buare die I hosphorwo framsagee die Kieselmure der in Lune brugenmerstell die Schwefelmure de sel weffige is ure

#### Osules

Carbon diaxide
Carbon monoxide
Ferric oxide
Ferrous oxide
Licosofere oxide

das Kohlendsonyd
das Kohlendsonyd
das Eisenonyd
das Eisenonydul
das Terriforronyd
das Wasserstollsupet and

#### SCIENCIL

Nitrogen pentoxide
Nitrous oxide
Phosphorus trioxide
Phosphorus pentoxide
Silven dioxide
Bulphur dioxide
Sulphur trioxide

das Salpetersoureanhydrid
das Salpetrigiaureanhydrid
das Phosphorigiaureanhydrid
das Phosphoriaureanhydrid
das Eieselsaureanhydrid
das Schwefligssureanhydrid
das Schwefligssureanhydrid

### Hydroxides

Amittonia Baryta Caustic lime

Caustic Potasti

Caustic Potash solution

Caustre Boda

Capric hydroxide Caprous hydroxide, Lome NaOH solution Soda lime

Borax bead Calcium syonamide Chulk Coal

Cupric obloride
Cuprous chloride
Fuller's Earth
Lead scetate

das Ammonisk
der Baryt
der Atzka-k
das Atzkah
das Kahombydrat
die Kartauje
Lin Nationaly frozyd
tas Nationaly frozyd
das Nationaly frozyd
das Nationaly frozyd
das Nationaly frozyd
das Kupfarhydroxyd

### Sitta

die Boraxperle
der Kelkstickstoff
die Kreide
die Kohle
das kupferchlorid
das Cupeichlorid
das Kupferchlorör
die Bleizucker

Jer Natronkalk

### 128 TELL FORMERS FROM SEEKEL STEDINGS

Lead sulp	rlander -	Ф.
-----------	-----------	----

Latti ca the

Milk of lime

Letsu perman abate solution

let our fetto yant w

Istam sferr & vam le

I case on permanamente

I ampliate beller

Pyrol

41 CB

Silver aubehloride

Sa from b carbocatte

Sideone arbonair.

Bodium nitrate

Sortium (In phyte

sad on acphate

[ Laryan , h

White lond

Zine chloride

Zine aulphide

des Bleivitriol

der Kalantern

die Kalkmilch

he lyst non-grans ganat setting

day berrid yorks our

dual ren aukaliam

the action, as 4 pps Kalitin

der Elen, Lipuffer

der farmusten.

1. A rese orde

das Silbereliforur

dos Natrios lub ribonat

die Soda

Jie kol ensauree Natrium

das Natriumkarbonat

das Natriumpitrat

das Nation of the bat

des achwefelsauros Natroum

day Natriumeulfat

due littledate

das Bleiweiss

due Chlowank

das Schweielsink

## (German to English)

### Die Elemente (elemente)

Lie W. asprate ff	hydrogen	the lisen	15011
let Spaters II	033, 60	dos h pfer	cupper
der stie este ff	pultous in	dan Eder	lend
der Ivol tersteil	carbon	dos Mangan	manganeso
13. Pinr	Agric	das Katzmin	calciutu
due th or	charies	das Chrom	el-rom(cm
das Brom	brom, ne	dae Silber	ailver
	aodana	die Queckniber	mercury
doe lod	SOCTIO	tite Luc. mu con	

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das	Bor	borns	dae	Zinn	tim
der	Schwefel	e phur	ler.	/prijedago	Zitic dunt
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	Areen	areeno.	die	Zinkfresjice	zinc filiz no
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dase	Kase metall	where	das	1 atr	Last Direct
das	Vatrium	sodiuri	449	Westrate	Limpoleti
	Kahom	potassano	das	Wincet	beauth

# die Logierung (alloy)

der Stall I	ateol	the Brouze	branze
day Mensing	brass	das Belitigedeisen	wraught den
dan Newsther	German selver	Jan Gussensen	cast mon

# die Sauren (arida)

die Balmauro	hydrochloric acid
der Uliforsensseratoff	hydrogen chleride
die Chforsture	chloric acid
d o aber derige 8 are	perclaric next
die unterchlorige Saure	hypochlorous acid
der Bromwasserstoff	hydrobromie acid
die Brainskuro	bromie acid
der lodwameratoff	hydroudic acid
de lodekure	Todae acul
die Kieroliliure	splice and
die Kulilenslure	carbonic acid
die Phosphorekure	phosphoric acid
die phosphorige State	phosphurous acid
die Salpeterskure	mitrio acid
die sulpetrige Saure	retrous need
des Königewasser	aqua regia
der Schwefelmasserstoff	hydrogen sulphide
die Schwefelsäure	sulphuric soid
die schweftige Säure	sulphurous seid
die Blaushure	hydrocyanic acid
die Borrilure	borse nesd

### 130 The Control by Sticker and Service States

die Dere zugagsauer de Dagterwofen some jern an cacd |havaratun⊭at acd

### die Oxyde (oxides)

das Kohlenoxyd

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das (Geenoxydu)

carbon monoxide

carbon dioxide

ad accompande

P201

P<sub>2</sub>O<sub>3</sub>

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N,0,

n freue size

strett dioxide

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ferrous oxide

### die Hydroxyde (hydroxidae)

das Ammounde

day Natriumhydroxyd

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dee Natriumoxyhydrat

das Atzestron

the kaustische Boda

die Natronlauge

dan Atzkalı

das les un fichiat

die Kablauge

der Kalk

der gebrannter Kalk

der gelösehter Kalk

der Atzkolk

das Natronkalk

dis English y boxyd

Lis Ku, ferhydroxydul

der Baryt

attimonia

countre soda

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and the product.

exustic potash solution

lime

quick lime

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caustic lime

soda lune

capric I v lrox de

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### d e Sulza (colts)

die Ab nuge der Alaun d v Soda das kohlenesures Natroum dan Natemuskarbonat des Natriumbikarbonat das schwefelsaures Natrium das Nationnsulfat den Natriummitent dast Kunferchlorur das Kupferchlorid ? das Cupra blorid dan Sitherchlorur das übermanganssures Kalium die Cham-liteonloaung Las Ferrozyankaliam des Ferndeyankalium das Phosphatpuffer dan Rhodan die Kreide dus Kuhle der Kalkstein der Kesseletein der Braumstein die Bleicherde die Kienelerde die Kalkimilch der Kulkstickstoff day Chlorzink dos Schwefelzink der Bleizucker der Blesvitriol dua Bloowers

die Boraxperle

spent liquor atum

sodium carbonate

andrum brearbonate

andmin nitrate cuproua chiorade

endrum sulphate

cupric chiacide

tend sulphate

white lend

bornx bead

milyar nob-blotide potamium permanganate poins permanganate solution potaveium (errocyatisde potavaism ferricyanide phosphate buffer th locy anogen chalk coal, charcoal himestone borler scale pyrobusite fuller's earth arben. notk of his e calcium cyanamide zine chtoride zine gulphide lead acctate

### 152 THE CERMAN PRIM IN FOR SEEFACE STUDENTS

### Отдание

### (English to German)

#### Ä

Acetic acid Acetoacetic soid Benyoic acid Butyric soid Cumatote acid Cetric acid Destrotariat c acid Formie acid Gallie acid. Glacial acetic acid Glucomic acid. Lactic soid Malsie seid Malio acid. Oleie acid. Oxalic seid Pierro neid Lyruv, a al Racernic acid Buboria neid Bucernia acid Tappie acid. Turtario neid

die Essignaure die Acetesugsäure die Benzoesaure die Bottermure die Zimtsaure die Zitroneusaure to beef we have die Ameisentaure die Gallinssiure der Einemig die Zucketsaure dia Milebraure dia Maleimanne dia Apfelesure die Obsure die Ozal-nore die Pikrineaure die brenztra densimes die Tranbengaure die Korksaute die Bernsteineaure die Gethautre die Weinsaure die Harmaure

B

Albumin, protein
Alighatic Compounds
Cane sugar
Coal tar
Colouring matter

Uric seid

des Erweins des Fettkerper der Hohrzucker der Steinkohlenteer der Farbatoff

### SCHENCE.

Fat

Est Hydrocarbon

Honey Luctore Mait

Naphabalous Pertume Petroleum Quinoline

Quinone Starch Sugar

Anthe gimence

Sugare Tur Urea Was das Fett

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der Honig

der Milebaucker

dan Mala

das Naghtalin der Riechstoff

das Same I Petroleman

das Chapolin das Chapon die Stärke der Zucker

dio Anthr. In hor

die Zuck tarter

dor Teer

der Harnstoff das Wachn

### (German to English)

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de Passarire

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die Buttersaute

die Apfeissure

die Obssure

die Oxalshure

d e Bernsteinsäure

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die Rechtsweinsaure

die Traubensäure

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butyric acid

olete acid

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aubone acid

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priver di acetoscette acid urie acid gluconte acid benzoie acid pierie acid cimnamie acid taunie acid gallie acid bile acid

#### 13

# dan Anthrachtmon

die Callemature

Installa

der Farbstoff

dan Fe !

die Petikorper

der Gerbstoff

der Harnstoff

der Honog

don Malz

der Midchzucker

das Naphtsbu

der Riechstoff

der Hohrzucker

die Sturke

der Steinkoblenteer

der Teer das Wachs

der Zucker

Ger Zuenes

d e Zuckerarten

#### ----

anthraquinone

quinine quinoline

albumin, protein

fat

aliphatic compounds

tenning material, tanton

ures

honey

goalt

lactore

naphtholene

perfume

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### DER SAUERBETOFF (Oxygen)

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#### I B ATT THE TOTAL THE STORY OF THE STORY

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#### DAS BUNGMERER

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presente is dependent of the an industrial entering of the an industrial entering the analysis of the analysis of the baronester for manning tester. For the analysis on a maintain would not be so high as be on at the fort of it.



#### KOBLENDIOXYD (CO.)

Day he logal wird . who he har but one general I a st fashlis and interest as heates, and at accuses is delight Institute at the engine in a fing and to not see St. Retail your Atmen untroglich

Euro surve Ver a lar, des Karant de unt Santstoff, Krien exyd (CO) consumt as asset to fug-

the found oxide each as you set arbon and it is economic and none ulmatibe tarba. Lorde a tenner tan ar it is not, however, really postenges but only ake n tru, en unit for brea to a

Inother compound of carbon with ax, en and carbon monoxide, to extremely potennous.

#### Den Schwefer (Salphur)

Der Schwefel wird in der Natie in greiben Mergen standen Mit Spacefull verbunden in let er Sluvele Land and S well saure Her new del her lempers at der Samele fot und krafa twert in Oxage from the weather we maked you and as Waster. He is he begingter each a limin Flin and above else Schweb Land peternities divid her North V north affilt und hem Verbrethen des Schwefels un der Lift er tieht. Mit Wisser verburden ght er whwell go Sura Sit well go Sinc wild in it chara Sedo and Wolle benutzt.

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4	Egtawler	in shiften	4	Librarity in	Fig. Fam.
	wiegen	to weigh	ø	Beide	pr f lc
	dunn	thin	ø	Wolle	wool
E.	Nobe	victority.		boundage	to me

## DER PROSEBOR (Phosphoros)

Grosse Men, et Plusphor & onen aus den knoel en aler Wichel. tiere erhalten werden.

#### 128 HUCKMAN CHAPTER CAN ESTIMATE

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e Water ter vertebrate ent miliche inflacional e

e Watel tile vett bra nomit i lingin u, sparkt

geliabritch dangerous griftig poissoners griftig

SHORE SENTENCES

A

Fo gibt viole Elemente.

There are many elements.

Der Stickstoff ist am Element. Nitrogen in au element.

He ist ein Gas.

Dan Brom ist e no Flussigkeit. Bromine is a liquid

Der Stuhl ist fest, Steel in solid

Dan Eisen ist ein nutzliches Metalt, Iron is a useful metal.

One Kupfer ist ref. Copper in red.

Pa bildet Salze mit Sauren. It forme salts with seids,

Die Wassen besicht aus Wisserstoff und Sangrabiff Water einem die Phydropen and oxigen.

Day Win in just more fight rose of all each manyle se highways and tradeless substance.

Der Chlorwesserstoff ist ein Ges.
The hydrogen chloride is a gas.

#### SCIENCE

The stream to the state of article

In Waler there a Vedert is after Shwife winer atoff interne schwache Saure

Water in a neutral conspersed but H mark wear and

Die 1 mierzie ist starker als de Bradons

Broth and is strict a first of transaction in

#### 13

- I Der Sillweifelt und der Plassion und Nichtmetalle.
- 3 Dan Messing 1st eine Legierung
- t. Day Is opherson for our em trales Sulz.
- 9 Die Sutreslauge abort best Sieden
- . Die oran i chen bearen amit met fan derk was die Mineral
- fi Das Wasser hat einen bei eten Sesembat uts der Schwefelkohlemateff.
- 7 Near restet is a been ure ur to training des freien A sales in the La sure, ein de norten de instruction.
- H. Jet ein Annesmakeast verhanden so derf man Phese phthaslein als Indekator nicht verwenden
- to Das Theresconter well an ement State beforeigt und in konz. Schwefelsaure getaucht
- 1 mulphur and Pheaphorus are nones to a
- 2. Brase in an alloy
- · Copper cu photo is a neutra, satt
- 1 Canalic soda so itt butt | s on but ang
- The organic acres are not so strong as the meters and water has a higher being point than that a circles disulphide.
- 7 Carbon bexide an passed rate the southern for the saturation of the free atkals
- 8 If an anonomium as the present phenospit alon connet be used as an indicator.
- The ther master or fastened to a such and highed rate con-

#### Phrases frequently found in Scientific Literature

Am Rückfluss gekocht Am zweckināsaigsten

· An praktischer Brauchbarkeit Auf abukehen Wege Auf anderem Wege gewonnenes Praparat

Auf demselben Wage dargestellt worden

Auf dom Wosserbade eingedempft

Auf die übliche Weise Auf einsoder einwirken

, Auf eine karze. Notis

. Auf folgendem We c Auf Grund der augeführten Regel

Auf Grund folger ler Beobachtungen

Auf Zunsta von Alzohul V...Aug Alkohol kristallisieri

 Aus dem chemischen Lisboratorium der Universität Kalkutta

 Aus dem folgenden Grunde Aus dem utsprünglichen Aldehyd Am den entbromten Sauten

Aus diesen Tateschen

- Aus einen Vergleiche der Stolle

Behufe Entfernung der Easiggastre.

Behnfa Reinigung

· Bei darauffolgendem Auskochen Bas der Beimengung

 Bai der Einwirkung von NH., Bei fortgeschrittener Päulnie

Butled under reflux condenser Most austable

Lower da praeties) unitity L 4 - milar way

The preparation obtained a other method

Was prepared to the same

Evaporated on the water bath

In the usual manner

Reacting upon one another On a abort notice

In the following was

On the ground of the rule rited

On the ground of the following observations

On the addition of atcobal

Crystallized from alcohol

From the chemical laboratory of the University of Calcutta

From the following ground

From the original aidebyde

From the debrominated acids

From these facts

From a comparison of the subs-1auces

In order to remove the acetic acid

For the purpose of purification

By subsequent boiling

By admixing

By the action of ammonia

With progressive putrifaction

But der Umsetzung die Sieren tes Ist für Umspontion of the neidradical

Ber dieser Benktion

Bei mehrstöndigem Stehen

Bei tagelangem Kochen

Bei vorrichtigem Erwarmen

Ber Zusatz von A kalı

.Bot 12 mm, Druck fraktioniert

Bei dem Bindiana dieser Brichein-

ung

Ber Anwendung von Alkalı
Ber verechtedenen Verauchen

" Bei gewohnlicher Temperatur,

...Ber Zammer-Temperatur stehen gelassen

 Bet einer Arbeit über die Phenylhydraxone

Bot der Umlagerung

Beim Bindampfen

Beim Kochen mit Wasser

✓ Beim Schutteln mit waiserigen. Kali

Beim Eindonsten 5

W Beim Erwarmen

Buim Versetzen einer

alkoholischen Losung

Berm Abkühlen auf 0"

- Beim Auflosen in Aikali

Berm Stellen auf I a cestaret

Beim Ansouren.

Beim Behandeln mit Mineral-

MALLETTE IL

Beim Miechen der boiden

Bubatauzen

Beim Ansäuren die unveränderte

Baure

Beim Stehen über H.80.

By this reaction

On several hours' standing

On borning for days.

On careful warming

By the addition of alkali

Practicusted at 13 mm. pressure

By the study of this phenomenon

Hy the use of alkali

By different experiments

At the ordinary temperature

Allowed to stay at the room tem-

persture

in a work on the Phonylhydra-

700.0

By the rearrangement

On evaporation

By boiling with water

On shaking with aqueous alkali

By evaporating

On warming

By the addition of an alcoholic

4olution

On cooling to 0°

By dissolving in official

On staying on ice solidation

On seidification

By treating with mineral acids

By mixing both substances

On seedifying the unchanged acid

On staying over HaSO,



Beim Arbeiton nach diesez

✓ Beim Verdampfen auf dem Wasserbade

Durch gelinder Erwarmen Durch Ernwirkung von

Darch Erhitzen von

 Durch Destillieren mit Wasserdampf

Durch Behan Hung mit ICH; Durch eine ausführliche Unternuchung

Durch one analoge Reaktion

Durch blosses Erbitzen.

Durch Abspalt ing der Seitenkette ... birch Ringspaltung entstehen

Dorch sine Reche neuer Pyriden-

Durch Howers and thre charakteriatische Eigenschaft

Durch Austausch einer Nitrogruppe

Darch Aufwendung einer gebieern Menge Material

Durch versichtige kristalbestion Durch partielle Verseitung Durch zahlreiche Einzelversunbe

Durch fortgesetztes Behandeln

Dorch den Vergleich mit den Konstanten

Durch Diffusion durch die Wasser-

Durch Destillaren auter stark vermudertem Druck

Differ or, the Meaningen

By working according to this toethod

By evaporating on the water bath

Through little warming By the influence of By the heating of On distribing with steam

By treating with methyl todide On thorough investigation

Through an analogous reaction

By bare heating

By the finance of the aide chain

Originates by ring-finance

Through a series of new Pyridinederivatives

With reference to its characteristic

By the exchange of a nitro group

ity apending a large quantity of material

On careful crystallization
On partial sapunification

Through numerous individual experiments

By continuous treatment with

By comparison with the constants

dilliber of the water columb

By disting other lable reduced pressure

Hy careful measurements

Durch engehende Verauche

Durch fraktionierte Destillation
Durch etnoute Behandeln mit
Natrium
Durch Abpressen auf Ton
Durch entsprechende Behandlung
Durch Einengen der Mutterlauge

Durch dreimaliges Umlosen au

Un schoidet sich eine fluckige Masse

I a ware afteressant

Acaton

.. Erschopfend mit Ather extrabiert

" ... Faltt in gelben Plocken aus Tast vollig elektrolytisch dis-

Für die Untersuchung Pür die Richtigkeit der Formel

 Fire seine ausdauernde Hiffe Gegen dieses Reagenz
 Gemäss der Analyss

> Das Salz wurde im Vakuum getrock

Tin offenem Geffies

Tim Gegenwitz zu den bescheie benen Salzen

Im Betrage von etwas 20%, Im chemoschen Verlegen

1. Im ersten Fallo

V Im folgenden Verfahren

Im kristalbriechen Zustand Im umgekobrten Verhaltnu

1 Im Laufe meiner Untersuchungen

1m Einklang

Im Mörser mit Wasser verrieben

By exhaustive experiments

By fractional destillation

By renewed treatment with sodium

By pressing on the (percus) plate
By corresponding treatment
By concentrating the mother liquor
By thrice reducedving in excione

A flocky mass asparated

It would be of interest Exhaustively extracted with ether

Procipitated in yellow finites

Almost completely dissociated alectrolytically

For the investigation

For the correctness of the formula for his lasting help

Towards this reagon!

According to the analysis

The sult was dried in vacuum

In amount about 20%
In observed characters
Heated in a sealed tube
In the first instance

#### 144 THE ORBITAL DOMER FOR SCIENCE STEDENTS

Im Laufe von cawas 30 Minuten

La Verla if dieser Zeit

In Habbek and

I - Executor ubar H. SO.

...Im Hochvakuum getrocknet und

. Im Missor pulversierte Salistona

In gang anderem Since

In der Meinung

. In comon Zuntande

In wentgen Minuten vollondet

In guter Ausboute

In ganz becomierer Werse

In dieser Beriehung

In Gegenwart von Aikohol

In Being auf

. In den folgenden Gleichungen

gezeigt aind

fu der Tat verlauft die Reaktion

nach der eteten Gleichung

In der folgenden Weise

In alten gewohnlichen Lösunge-

mittelo

In der Regel

In einer Reibe von Pallen

In den folgen len Mitteilungen

... In glatter Wessa sezuelt werden

In manchen Pallen.

Die Arbeit ist in Angriff genein-

men worden

V Job nahm die Arbeit in Angriff

In face, suf to Name

In the contrast contrate

In one win Wans as a de len

In herenten Amyler thol

enthalogement

In course of about 30 mm ites

On the expury of this time

In view of

It is after over R.80,

the I and subtoned in high

The substance powdered int

18

In quite a different sonso

In the opinion

In a pure condition

Completed in a few monutes

in a sel soll

in quite a per har way.

In this relation

In presence of alcohol

With regard to

Have been shown in the following

egustions.

In fact the reaction takes its course

according to the first equation

In the following way

In all ordinary belvents

As a rule

In a series of cases

In the following communications

Obtained in a amnoth way

In many a case

The work has been begun

Diegran the work

In relation to the Nature

In the neurl excents

Cakes piece in two different ways

Detailing exist in boiling amy

Methol

In Pretheit gemeteten Sticketeis Infolge dieser ephemeren Existen

W. Kristalamert in Fraunce Mit ginem I berichuses von C. R. J.

Mit Hilfe von ICH,
Mitteln verdannter Salzeagen
Mit renchender Salzeagen,
Mit etwan mehr als der berech
neten Menge
...Mit Ather extrahtert
Mit normaler Subterstofflichte
Mit ninem Strom von Chlorges
Mit grosser Annahrung
Mit grunblauem Oberflichen
glanz

Mid Ausnahme von Wasser
Mid Ausnahme von Wasser
Mid den Augaben

Mich den Augaben
Nach einigen Stunden
Nach genugender Reinigung
Nach der allgemeinen Regel
Nach der allgemeinen Regel
Nach ungefahr 20 Minuten
Nach ungefahr 20 Minuten
Nach der Gleichung
Nach der Untersichungen
Nach der Obigen Aufgesaung

Nach zweimaligen Unikrotelli

Nach langem Ruhren Nach einigem Stehen Nach diesen Ergebnissen Nach dem Trucknen auf TonIn the astrogen ont from

In numerous of this ephemeral

existence

Crysta 1 zed in printe

With an excess of Call 1

With the help of It II;
With dilute hydrochloric acid
With furning It! I
With a little more than the calculated quantity
Extracted with other
With the normal carbon chain
With a stream of chloring gas
With great approximation
With greenish blue surface colour
off irescences

With the data
Fatracted with benzene
After some bours
After sufficient purification
According to the general Tule
After shout 20 or notes
After a short time
After evaporation
According to the equation
According to the equation
According to the investigations
According to the above conception

After encrystallining twice

After long staring
After staying for a while
According to these results
After drying on the porous plate

### 146 THE ORRMAN PRIMER IS R SCHOOL STUDENTS

Noalt dom Verdansten des After evaporating the filtrate

Nach den folgend i berlegungen

Nach wollatendsgam Ausweschen Nach wiederholtein Umkristallineren aus Alkohol

Nach dem Eingtessen in Fos-

Noben throm praktuchen Nutzen Nochmaliges Ausziehen mit Alkohol

Ohne trefshr for die Zenstrung .. Ohne besondere Behwierigkeit neetylieren

Ohne erachthehen Grund
...Praktuch unangegriffen himbt
Beheint es tuit zweckmanng
Bpaltung durch Wasser
...Sintert gegen 2202

Trota der guten Cherematimmung
alle dieser Versuche
...Cher Nacht stehen Isseen
Unter tuchtigem Umschutteln
Unter Abspallung von 80;
Unter absplichen Umständen
Unter energischen Turbinieren
Unter einender überstimmende

Bechachtungen
...Unter Rockfloss erhitzt
Unter grossom Verlust
Unter erheblicher Zorsetzung

Unter Gasentwickelung
Unter Bildung des Salzes
Unter Entwickelung von HCl

According to the following con-

After complete washing
After repeated crystallization from
alcohol

After pooring in ice water

frequency of the second section of the second secon

Without fear of decomposition
Acetylated without appoint
deficulty

Without apparent ground bemained practically unattacked Appeared autable to me Splitting up with water Sintered at about 220°

In spite of the good concordance of all these experiments.

Allowed to stay, overnight.

With proper shaking.

With the splitting up of 80.

Under similar circumstances.

With constant shaking.

Observations being in accordance.

with

Heated under reflux condenser

With a heavy lose

With considerable decomposition

With the development of gas With the formation of salts With the generation of HCl h-afe

Hert I nter W inmentar ke ut h tater Wiedersoftshine Wasset Later Verdra and dec Latyl \$5 E [265 Lour Balan sandafter ne Unter Verseifung Unter two backing der hample. barten Nitrogruppo 64 ... Unter Umrubren

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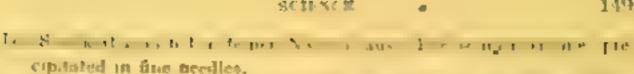
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[ a further proof He tel to the boiler, por t or disacredatives t

115 THE CALL OF THE PERSON NAMED IN 1111 -Art a grant and Ir equivaler of a real to / (0 1 1 11 1 1 Print to rest into F epine to the law r 1 st t 1 t 2 y to the ft by I far bre stan Zur lee Seter Lar to a safe six Zur Fraknie 110 I was that a fratale zirlisii 6 rlisa fit in released his prostour Zur Verfogung At disposal but we reposit to the read of / I blowning des break high product produkta Jul Tre bee get . It Park to history a medical property of Zon the core core Ausheute

# Sontences Illustrating the uses of important Verbs used in Scientific

- Then We do do do to all I'm
- The transfer in 120 forces in 1 mellioned 120
- The Sepheral war to the first and the test of the separate of
- I'm Lak wild one Wanet versionit ale princh is didn'ted with water
- per Nationality wild all the The presiplate a fistered with authors
- the kind with the Same of Fund on the The Courte (suboken) up with the fi
- placed (removed) with mathinal
- Leated under reflux condenses
- tree was end in decel and conventanted
  - John standing the promptiste was centralinged off
- The stewart of the processing and the



to be to week in a client are extished I o to a were extended with obloroform

Last or this work description is a winter described of

had put to pent the Monte a history zones. There beganned a my st quantity of the substance behind

the Methodologic wife and West vehicliand in Cylora femonon rate marked private to the landow described or to a pareather

I's with the It can be the et-It was be able on a three place

Reakt a tent might on The contractor had non-

the leading we do not be derived excession become and was proved into chluroform.

I s wirdo not Alsolida a, con lit was extract a with a called

Das Volresteror was not Zene erterepetation to most. The andreascrop by his great \$ to be temperature.

Ite after sete I me, work due ben e conding! I e ett a al ton was evan dodeff we en weigen

The I' ter will but then no verseils. The good was by his seed with caustic sods.

Der Methodskopper au den Matheronger, an kristalitet in genesien The property of two plant to contract the fem te mother liquor. .

ther Russian I wante mit Mohin distotion polyssen. The regular was allowed to stand with methanul

The Lamps worde Livin selver argo mit. The notice was ton alightly neidified.

Der later wurde vor eitt auf oxydatt. The other was finde lyce I and oxidized.

ce but i explicat a ce est para differel ler I ster w. h that I'm through diazomethane.

the San attra section to Mathematica but care of an according - The assistance were every laction by the laction of the contraction of the

Notices South world living of their American Luc the wilation was worked up.

District to a file of the control of ti fed between 200 a20.

- Dor Make cottak a excise pro- not e mixed melong point showed no depression
- projet to the setting a melline series. The reaction
- Seastern would not I to ohr ver wht he sepasterd was mixed up with platinum black.
- Their waste is self in the new Temperature and the stated with a particular search to temperature raised.
- Die de tie Degree eine werde langer valert. His til el dochte bond was abowly hydrogensted.
- The Extreme interview of the first term of the f
- Not beneficiated and in Substinct of it consists at beautiful After with a sporting what we is a mid-tray in large trially entimated.
- the first name of taxoner that a flowibit window-The
- Lo Accordo ducir to Los An experiente table of disse-
- Dex Ture tente the present the transfer of sections
- Disk we arrive leatest with me. H. Seecont Temperor filters and decomposed with H<sub>2</sub>S
- Det H.5 wird vertices and Set Heister root under videnin zur Parkine gefracht. The \$15 is frager of, with Noted pourselied and when the home in various.
- the state of the s
- pended in water.
- Das [ back wird acrk mit town 1.1. Stanley in Archet gelegt. 1 for meet a proceed as I allows 3. I have to self-algobo for 23.5 and proceed as I also be a self-algobo. The sea when e
  - contern at 90° and hquefice at 110°.
- total
- De leaner was le to M. to he fine send de ! The would o was violently shaken for 10 minutes.

- the Mosting words with the bound by a part of a The factors was not been cooled with ice.
- The letter kee wert and year Te andred sat was analyzed
- Dis Keton in a been to have and a might be might be betom went completely in solution on boiling
- Born boulen de Breco in forming to let within The ketone is brought into solution by boiling
- Note were get A get do seen do seel a absence of the few moments the ketone separated out
- De Aualyse des Bulzes ergab ! The ausl was fille sale pave
- North at Minutes was declinistics be noted that the resolution was complete.
- be in Verdu stor. In A he is his extracts on a lay evaporation, the ethier an oil remained behind
- I as bally not pell grant that discriberation due thats—The call is yellow coloured and deliquences in the air.
- De Produkt wir de nicht in light olife product was not so uted
- the Louighest with at aziron other mater. The land was caturated with hydrochlorio acid
- Level Operation wirele relange fortgenet to but Lattly kearer. Norderselling mean erzeugten alex operations was continued as for till Battle produced no procepitate.
- them between heart eactor Siste de periode Kobbin ozo entwickelt. On bydridyen i forcebes ar and which developes earbonic soid at about 220°.
- Zur Reinigung des Saizes seine Lauchkeit in Alkohol benutzt -Fer (he purification of the salt its soultrity in Medial was utuized
- Der Schimp der Verhandung mich dem Ludir sin meren nicht auderte. The med he point of the compound after is rystudi a vin the not change.
- Dig Substanz respect mit 1 ( ... The substance reacts with 1 C.
- Boldd ken 50 merentwich wide es the terretten ts soon as in some 50 excepted twis so, arred with other
- Nach Teickern in the fing water distributed as the distributed decreased to product was subjected to repeated for Consult to the first

# 172 TO THE STREET OF STREET

- En Zrengel a service per different transferent
- Dig Value for the Control of the Con
- have been sufficiently investigated
- M c regides de c proportion de la composition della composition de
- to Salar and the state of the salar to the salar and the s
- the I in the end of man thereon in the parties of Manuelle -
- digested with bisulphite solar
- Discrete the body of the control of the body of the control of the body
- Na ta Abach ... I we like the Warra Care After cooking we added 110 c-c. of water.
- The holder of Vicinian armeterwisen -
- to 1 K out a CS . have minimized the electromagnet in mounted on a steel band
- In the result of the same and the Table. The printer moves over a scale on the table.
- I so has him word its near see to provide a congeste month.

  I be so have a factories two regions books.
- The Turk of the Spirite of the Sadjerdon, at embed -
- Yes cut or act for I bt up A allting of the light spot to the eff give a turn to the opposite direction.

- Das Uektrin in vir in the control to the forest property of the control terms of the day of the control terms of t
- Die fried in des landers find to the contract through war accurry vapour was sufficiently slow
- the many for the second surface was made of platinum fort.
- ther that the state of war and the state of wark per a small deveation of its I ameter.
- arrangement is sketched in the diagram.
- Zer level to the little to a series of the generation of high tension
- Digital on a man had a street of the street
- Distriction of the Control of the Co
- Die Stinhlung trat durch den Spall The ray entered through the
- We note that the second of th
- wheel de lead to the working of the auto-
- President has a sold to the second of the se

- Die Unterlasten aus einer lieber der Konstrum geh Nahr The mantebane einer innert on a com of the land bearing
- hen generate the fill of a five latter than the superstate that does he had not been to be a first to a does the fill of the product of the state that the s
- Instead of the first of the fir
- der Verleiche von der Verleiche der Verleich
- proceedings of the second
- It all rede to the section of the se
- to me the quality of the property of the prope
- destricted to the complete term of land made and the first of the firs



- will operate the contract of the
- I ser A seat to the land
- Dr. Amelle et le tre le le controllè
- At Two controls to the sect of the book at 78°C.
- Die beteer to the and a first transposesses a pleasant amed
- I r Zuer criber frot er ar trat
- hydroxyl groups.
- De Very but to the Lease but to say saying
- De featifier a feet of a feet of the feet
- Der han bereiten bei ber ber ber ber enter an biegehe ring system.
- and is a ring-substituted glutaric acid.
- Be said to be a to be to be to be to be to be to be ably active compounds are known.
- Dust his area very tiple of a Virtable Tarras palace was the fallow-
- de testi rechardence l'expressor l'acribess e equa more questi by felive l'altre te testi ry bourdon
- Engelt ber have broken die bertingt yht in den Hantettalen uner-Batim matten despentanzeit yhter a renacried into the hexamethylene.
- Der Stoff war prokiesel to sled to ble gewicht in the state in all fraund, an oblight in the state was protectly need to be a sile ordinary organic solvents.
- Due crete Reski mage fakt ritt tren Mat Krist to cort-Tie first real top product of a for Mile with of real title.
- Das Produkt worde in t warme. Walser come for I e predict was washed with warm water.



Der Wier lese in Verraghen ihrer Schriften der Liebert in der verraghen ihre peter in a state de la venione de la

ob cooling.

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The Washed Chirch of the well gate Methods for the can represent the control of t

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#### Abbreviations community met with in Scientific Literature

```
n a O. (an anderem Orte)—in another place
A.G. (Atom Gewichl)-stanie weight,
ber, (berechnet -calculated
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                   s.Z. (sur Zeit)
                                      at present
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The fight www.ilm.ilsears.sup.xis

#### Representative Passages from Practical Chemistry

#### Spaltung des Adrenslins durch Alkali

Mires viral vermer vereinen in te herentrætte Name in den homber beiden bestelligen Wasserdimpf des homber beiden bei der beiden bei der beiden beiden beiden beiden bei der beiden beiden beiden beiden beiden beiden bei der beiden bei der beiden beiden bei der beiden beiden beiden bei der beiden beiden beiden beiden beiden bei der beiden bei der beiden beiden beiden beiden bei der beiden bei der beiden beiden beiden beiden bei der bei der beiden bei der beiden beiden beiden bei der beiden bei der beiden beiden beiden beiden bei der beiden beiden beiden beiden beiden bei der beiden bei der beiden beiden beiden bei der beiden beiden beiden beiden bei der beiden beiden beiden beiden beiden beiden bei der beiden bei der beiden beiden bei der beiden bei der beiden beiden beiden bei der beiden beiden beiden beiden bei der beiden bei der beiden beiden beiden beiden bei der beiden beiden beiden beiden bei der beiden bei der beiden beiden bei der beiden beiden bei der beiden beiden bei der beiden beiden bei der beiden bei der beiden bei der beiden bei de

#### Figure of advenating with alash

Advances we obtained to North a note of country souls end on the first and the work of the first and the form of the platinum malt.

#### Likeat

Bets linete Men, in 1 strate e and 4s of a macrated worden in wing Victoria, as the least a make a feeten language orange forbe a Neden in a fact to 1916. The en ...

Calcusted quantities for a dutal hydromether are dissolved in a little at dul. On echica in, orang ocured needes trystalezed out while meeted at 10 for

#### Hydrazon

by le of was entry lample and man 4g. The syndrome warden and dem Wasser by le of was entry lample and man 4g. The syndrome warden warde das at some long Mannovers my types on a gengen. In wag 0 8g, and schmolz has 200°.

80 c of the 15 per sent a sign solution were to some extent evaporated on the water bath a 3-4 h phenylogicazine and just requirete small quartity absolut were added. After five hours the

separated manuose-plans by draw ne was florred off. It weighted 0 mg. and melted at 200° C.

#### Debydrierung mit Belen

70 , Locks term works out a rest Sha 49 Stanks out 135° erbitzt. Its of hat to Schaw verstaffentwa a sig fact ganz aufgebrit. Trie Prostonage that works at 5the extrinert.

#### Debydration with Salonium

70 g. Isocholesterol webs in it. I for 4 th are at a 15 wit. 50 g. red sederal in. After that the exchange forten our ple lead and completely consed. The real total productives extra tell with other.

#### Similarba in des 1 [4] Dimet vil 1 yang cycl boyan in

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#### son it is the state of the stat

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#### Acetylation

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#### Names of some Journals.

- L Annalen der Chemie
- 4 Anstomischer Anzeiger
- ř Zoologische Jahrbucher
- 1 Zentralblatt für Physiologie
- Archiv für klimische Chirurgie
- Zestschrift für angewandte Chemie
- Britishte der Teu schigt bereit bie Gise talbat.
- 24 Leitrige zur gatherugischen Anatomie und zie einem mit Pathologie
- 14 If pre-Scalera Zer left for the seeings last a me
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- 1.1 / phalleatt for the med circle her Wissign while
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  - Annals of Chemistry : 1.
- Anatomical Advertiser 9.
- Zoological Year-Books. d.
- Contral-sheet of Physiology 4.
- Archives of Clinical Surgery. 50
- Journal of Applied Chemistry Ø.
- Reports of the German Chemical Society 7
- Contributions to listling ion Anatomy and to General Lathrency 14
- Hoppe Seyler's Journa, of Physician wal they care 9
- German Journal of Surgery. 10
- Lentral sheet for Medical Sciences III.
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#### Headings of a few Typical Scientific Topics

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- 1. Maue and Gewichte
- 2 Feeling in de Mex branche ter
- I Intelle drie in tent case.
- 4 Gesattigte Kohlenwauserstoffe
- 3 Alkyl gebonden an Stickstoff
- 6 Die Ultrafiltrationseinrichtung
- 7 | Ober the Nat r der dappe ten haller t Warrh ad in,
- H. Ungesättigte einbasische Bauren
- \* Ober razer to be Vernandensen ord hie Spot in opt addisc. Komponenten.
- 10 Nortede und Nachte le der Wasseral Relietrish
- 11 Die Be estang fer De spell dang
- 19. Bau des Erweisnmolekula.
- 14 Zur Kerntnes der Schnatzer, fie
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#### SCIENCE

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- Pe ther Hacks such queen a plan eximen
  - Weights and measures
  - Determination of unlecular weight.
- Classification of Organic Chemistry.
- 1 Saturated hydrocarbons
- · Alkyl group bound to a nitrigen stom
- Arrangement for ultraditration.
- ? On the nature of the double curbon bonds.
- 8 Unaturated monobase acids
- On the respective tend to the resolution of the same components
- 15. Advanta exact beganning and the fider on entirely
- 11 The agnificance of the double bond
- E. Structure of the protein molecule
- Is On the knowledge of anaka venoma
- 14 On fermentation and enzyme action
- 15 Character at properties of the atomatic compounds.
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# 168 THE COMMERCHANCES OF TEDENTS

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#### Short Paragraphs

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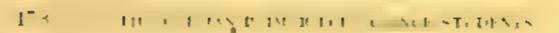
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## Glossary of Physical and Mathematical Terms

## langlish to German

#### A

Acceleration	die Beschleunigung
A. un istor	der Assemulator r Samuer
Alternate angle	der Wechselwankel
Veger	der Wintel
Attendance	die Anziehoug
Bracket, chain	die Kette
Calibration	die Eichung
Centre of gravity	der Schwerpunkt
Contribual force	die Fliebkraft
Circumference	der Kremumfang
SHE SHOULD	de 11. Jarna Lang, e F o tong,
Cube	der Wurfel
Denominator	der Nenner
Derivation	die Ableitung
Dew	der Tau
Dinl	die Ziffer
Dights to	de Buide
1 print	de Zerstre auby
Distance	der Abstand
Liberer 3	the Leadung of the Roll
Equation	die Gleichung
F pa ld Gum	day filet bgewicht
Foral distance	die Brennweite
Locus	der Brency ankt
Fractional part	der Bruchteil
Horse power	die Pferdestärke (P.S.)
\$ x +-	das Spickett fd
Illustration portrait	die Abbildung
Impact	det Stoss
Inerita	die Trägheit
	1 01

der Zins

der Unterbrecher

Interest

Interruptor

#### SCIENCE

Key Kuob, button Lane of force Number Object Path Pendolum. Piston. Pointer, hand Proportion Quadrifateral Hange, reach Hange of error Refraction Republion Resistance Rig dity Hoot Safety valvo Blat Source of error Triabgle Value Vapour pressure

Velocity

Wave length

Wave

der Schlüssel der Knopf die Kraftlinie die Zubt der Gegensland der Weg das Pendet der Kolben, z Stampet dor Zahler der Verhaltnin das Siere K. die Tragorite . Pehlerfeld a Fehlerbreite he Brechung die Absteinung der Widerstund die Bestigkeit die Wurzel a Sicherheiterentil der Spalt die Feblerquelle das Dreieck der Wert der Dampfdruck die Geschwindigkeit

## German to English

die Welle

die Wellenbinge

13

die Abbildung model, picture
die Ableitung der vertieb
der Abstand distance
die Abstossung repulsion
der Anfangswert initial value
die Anziehung attraction
den Auffallendeslicht rollected att

das Beharrungsvormogen

die Beschleunigung

die Blende

die Brechung

der Brennpunkt

d e Brennweite

der Bruchteil

der Dampfdruck

das Doppelhild

die Doppelbrechung

die Dampfmaschine

der Drehstro

der Drehwinkel

dan Dreieck

die Dunkelkammer

die Isiehung

dan Eichmass

der Einfalt

der Eintausch

die Felilerquelle

die Festigkeit

die Fliehkraft

der Gegenstand

die Geschwindigkeit

dan Gleichgewicht

das Hantrobreben

der Haap beetrop auch

der Harmmer

det Hebel

der Hebepunkt

der Heber

der Hohtspregel

die Kette

der Knickpunkt

der Rnoof

der Kolben

die Kraftlinie

rated a

Charles of the party of

distribution

refraction.

focus.

focal distance

fractional part

Vapour pressure

double image

double refraction

steam engine

rotary current

engle of rotation

triangle

durk room

calibration

etandard, gauge

incidence

exchange

source of error

rigidity

centrifugal force

abject

relocity.

equilibrium

capillary tube

principal facus

crom in fer coops, a

lover

faleram

euphon

CODE TO THE FOR

bracket, chein

break

knob, button

peston

line of force

#### BUIENCE

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definitions at 1 atta
die Leistungefahigkeit
die Litelithrechung
der la can se late
die Massembert
der Nenner
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dia Querwelle
dna Rechteck
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der Schlitz
der Schlawel
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der Spalt
daa Spiegolbild
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der Stern
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## Glossary of Physiological Terms

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## Glossary of Botanical Terms

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## Vocabulary

## Nouns

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## (Commonly used in Science)

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der Anstoss	impulse, impetus	der Auftrieb	buoyancy
der Anteil	portion	die Ausbeute	yield
der Antrag	proposal	do Audebnong	delatation
·las Autrieberad	driving wheel	der Amdruck	expression
Le Anwei dung	application	die Ausdanstung	exhibition
die Anwesenheit	presence	der Austall	precipitation
der Anwurf	plastering	der Ausfland	potlet, flux
die Auzahl	number *	die Ausführung	carrying out,
der Anzeiger	indicator		performance
die Anzacht	colture	der Ausgangestoff	starting mate-
die Anziehung	attraction		rial
die Anzundung	ignition	der Ausgleich	agreement,
die Arbeit	work		equalization
der Arbeitsfort-	progress of work	die Auslegung	interpretation
seligitt		die Ausuahme	exception
die Arbeits-	working hypo-	die Ausnutzung	etherency
hypothese	thente	die Ausschnuung	looking out
die Art	kind, mapner	der Auschlag	vibration
die Arzenie	medicine	der Ausschuss	wasta, refuse
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verschiebung	ment	die Ausstellung	display
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	die Berichtigung	correction	die Brauerie	brewery
	die Berucksschug-	consideration	das Brausebad,	shower bath
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	die Berubrung	contact	das Brett	bourd, shelf
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	die Beschreibung	description	der Bruch	fraction, breach
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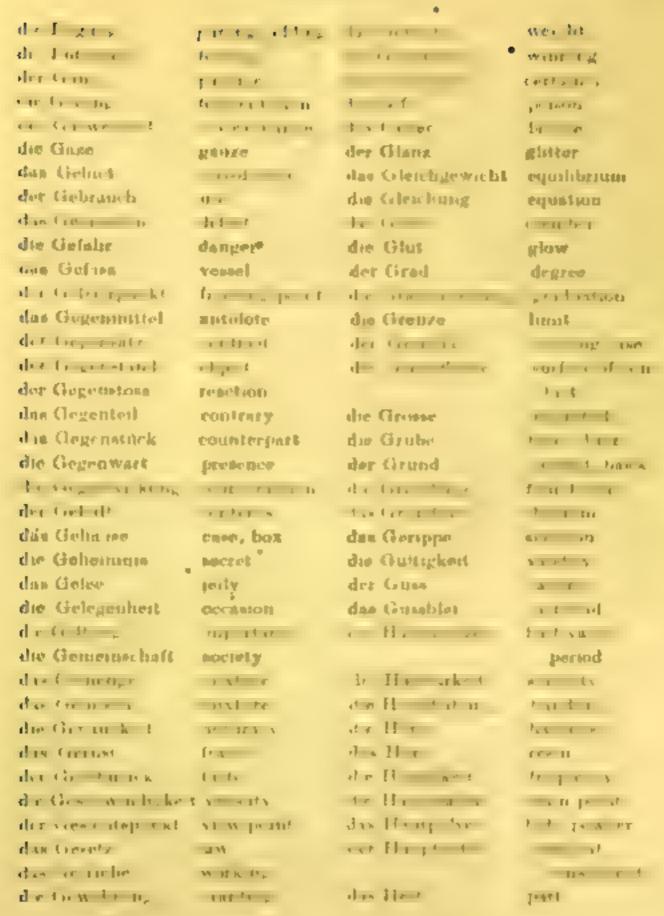
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## Qualifying Words

(Used in Science)

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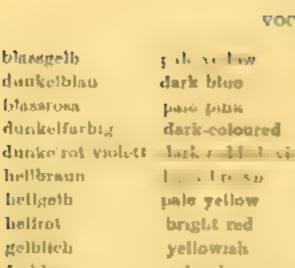


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#### Yerbs

### A

# (Commonly used in Science)

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abfidreren	filter off		explain
aligoben	give up, deliver	auftreten	appear
nbgehon	start, go away	nusdrucken	#XDFD64
ւ հենելու	root down	nusbilden	develop
ablesten	derive	adefuliren	perform, carry on
aburdmen	генюче	augreichen	autice .
ibrichten	ndjunk	aus hoiden	separate, precipi-
nbischeiden	argistate		tate
alistumpfen	neutraline	ausbülsen	shell, pool off
abweichen	deviate	aveschlagen	best, unfold
action	regard	ausschatten	to shade
addieren	add	&Ventromop	discharge
adaptheren	adaorb	answarchen	week out
aktivieren	activate	aussichen	extract
4604 \$5885E03	a nalyse	bearbeiten	work up
an ferre	change	bedeuten	mean, signify
anderdon.	eignify -html	bedienen	serve, make use
merketanen.	Teccginio	belestigen	Issleti
anfangon	begin	bofinden	field, think
aufertigen	manufacture	befordern	forward, move
angeben	specify, indicate	befreien	liberate, free
augehoren	belong to	beginnen	begin
ungreden	attack, undertake	begleiten	accompany, attend
ankommen	<b>ATTÍVO</b>	begreifen	comprise
annabren	approach	begründen	establish, prove
angelimen	дакита, впррозе	begunatigen	facilitate, promote
anordnen	arrange	behandeln	treat
anziehen	attract	bohaupten	inaintain, assert
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besehlennigen	accelerate	embauen	build in a place
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nmseliczi	look round	vera then	marry
værführen	aeduce	vermielen	hire
vergeben	forgive	vermögen	to be able
vergnagen	amuse	Vernehmen	perceive, hear
vergrossern	enlarge	verpflegen	take care of.
verhandeln	treat, transact		support
verheiratep	marry	verpdichten	oblige, bind
verhindern	hinder, prevent	verrichtels	execute
verhüllen	cover	versammela	assemble
verhaten	avert, prevent	versichern	assura
verirren	to lose one's way	versorgen	provide
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verkennen	mistake	verstirken	strengthen
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verkennen	misunderstand	vertragen	confide
verkommen	decay	vertreten	represent
verknupfen	connect, join	vertzeiben	expel
verabfolgen	deliver, give up	vervolkommen	perfect
verabschieden	dismiss	verwahren	guard
versiten	grow old	verwalten	administer
veranstalten	prepare, arrange	verwechseln	change by mistake
verantworten	answer for, vindi-	verzehren .	concame
TELUDITION	cate	verzieren	gdorn
verbannen	banish	wachsen	grow
verbieten	forbid	wagen	vanture
verbleiben	remain behind	wählen	сћоове
verderben	destroy	währen	last, continue
verdienen	merit, carn	weichen	yield.
verebren	venerate	weiben	dedicate
vereinzeln	isolate	weinen	weep
	compose	werfen	throw
verfassen	miss	wirbeln	whirl
verfehlen	shorten	wohnen	dwell
verkurzen	leave	wünschen	wish
verlassen		zanbern	practise magne
verlaufen	to go satray	AME OF THE PERSON OF THE PERSO	A. C.

#### VOUABULABY

zeugen zeugen zieren zittern zuchten zucken zugaben bear witness
produce, engender
ornament
tremble
breed, raise
move ontrulsively
add

zurüsten \*
zusagen
zusammenbraugen
zusehreiben
zwingen
zwitschern

prepare, equip promise, please gather together

dedicate, add compel, vanquish twitter, chirp

## ERRATA

Page	line	for	rend
7	26	tat	-t&t
11	14	einen Mittel	ein Mittel
18	21	einen Salz	ein Sala
10	15	Das Band de Bänder	das Band-die Ränder
			der Band-die Bande
92	1	den Indig	dan Indigo
25	16	dem künstlichensei	sei dem künstlichen "übert-
28	0	die Eineseig	der Eisessig
50	28	kang	Kang
62	11	Zur Reinigung es wird	Zur Reinigung wird es
63	31	aus dem Knospen	sus den Knospen
00	12	hatte	balse
66	18	berein	ein
71	1	Reich	ein Reich
71	13	toten	töten
76	8	Pfordebahn	Strassenbahn
81	28	fastwire	wore fast
86	14	massiggungerisch	müssiggängerisch
no.	21	Jäyerlied -	Jägerlied
101	1	nimmt blensch	Mensch nimmt
100	31	aue	am
148	11	Zur Trockne gebracht	Zum trocknen gebracht
161	10	bringt zur Trockno	bringt sie zum trocknen
101	11	blieb	bleibt
162	11	lebhaften -	lebhaftem
172	20	voneinender	von einender
174	21	in Elewasser	es in Eiswasser
174	21	gegosen	gegoesen
177	10	demselben	derselben
185	19	Atomenenergie	Atomenergie
187	34	auserdem	aunuer dem
196	16	inverliert	Wasser und verliert dieses
			beständig

Page	lina	for	read
201	27	nabebatten	nahrhafte
201	28	forderades	forderade
201	38	Saugende	Stillende
203	H	Saint Martins Gowehr war	warGowebr
203	14	sich., schloss	das Loch in Martina Magen
			sobloss sich nie wieder
204		Abkommling	Abkommling
205	144	Ausoblag	Ausschlag
208	-	Flache	Frache
200	114	Geneugkeit	Genauigkeit *
211	de	Nachnahmung	Nachahmung
213		Schematischezeichnung	schematische Zaichnung
214		die Troukas	die Trockenheit
218		Beborda	Beborde
218	100	Beligutelle	Belogstelle
221		dia Friede	der Friede
224	***	das Nachbar	der Nachber
226	***	Borg	Sarg
227		die Umests	der Umsats
227	110	der Unterseihnet	der Unterzeichnete
228	ain:	Verfell	Verfall
228		Verguigung	Verguagen
228	717	der Vernehtung	die Verrichtung
2:20	444	dia Werkzeug	dan Werkepug
220	rin.	die Widerwille	der Widerwille
220	wer.	die Wille	der Wille
220		der Zebe	die Zohe
230	***	die Zuichues	der Zuschuss
200		Busser	aumorlich
281	100	bezuglich	besogneh
243	-	unnute	unnüts.
247		entwickeln	entwickeln